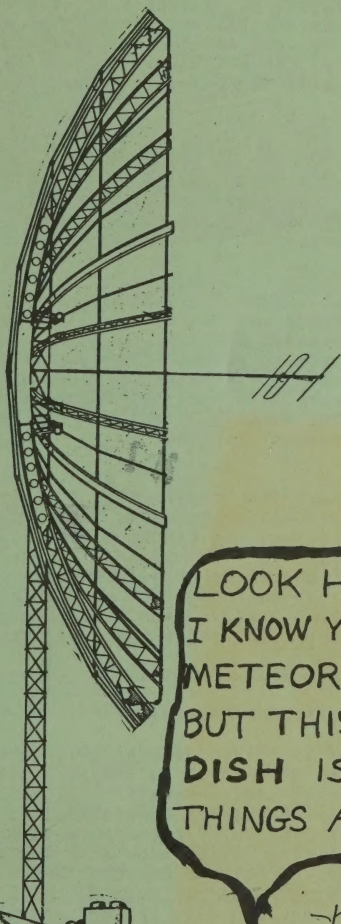


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1990



LOOK HAROLD...
I KNOW YOU LIKE
METEOR SCATTER,
BUT THIS CHANNEL 2
DISH IS CARRYING
THINGS A BIT TOO FAR!



From The STAFF



1990 CONVENTION NEWS...Host Mike Wimer checks in with news that 1990 WTFDA convention plans are going along fine. The 1990 WTFDA convention will be held August 3, 4 and 5 at the Old Town Inn in historical Manassas, VA, just 30 miles southwest of Washington, D.C. There are many things to do and see in the Washington metropolitan area for members and family. More information/details on room rates, cost, registration, etc., will be provided in upcoming months of the VUD.

COLUMN NEWS...EASTERN TV DX has a new editor. We're pleased to announce that Bill Nienajadly, 98 Highland Avenue, Clifton NJ 07011 is taking over this section. Temporary editor Ronny Stock, who should be bound for Europe by the time this issue is published, has promised to forward any remaining reports.

IT'S NOT OVER 'TIL ITS OVER...Some DXers have expressed fear that peak F2 cycle activity has already taken place. Fear not--experts feel strongly that the actual sunspot peak may just now be taking place, or may take place during the coming months. That means that indications are that we may see a repeat of last November's conditions again this year in the Fall. One more thing--no VHF DXer should forget that March is THE peak month for Auroral DX activity. Here's a tip: pay close attention to the mid-month period.

BITS...Apologies for any delay in club mail...Bill Thompson will now be responsible for both processing incoming mail and publishing the VUD until a volunteer to replace Ron can be found. Incidentally, the term "WTFDA Headquarters" is a misnomer--there is no WTFDA headquarters. Remember, club PO Box 514 is merely a mail drop, and the staff is scattered across the country...we have no office building or toll-free "800" WATS line. We mention this because we find that, incredibly, some people seem to think that we actually have such facilities!

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This month's cover by Perry Bolic (hint--that's not his real name).

Television & Cable Factbook

Factbook's astonishing

Abbreviations and initials
commonly used in TV
Advertisers index
Allocations, TV channels
Applications, TV
Associations, groups and other
organizations
Attorneys directory
Brokerage and financing
EXPANDED BUYER'S GUIDE TO
PRODUCTS AND SERVICES
Cable...

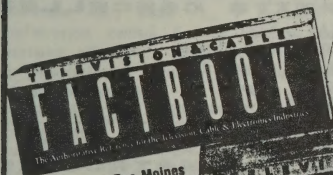
Associations
Cross-ownership
Equipment installers
Equipment manufacturers
Group ownership
Statistics

SPECIAL ONE-TIME OFFER

BACK ISSUES OF THE TWO
VOLUME 1988 EDITION
ARE BEING MADE AVAILABLE
TO WTFDA MEMBERS AT
A FRACTION OF THEIR
ORIGINAL COST!

comprehensive coverage

Manufacturers...
Cable
Closed circuit
Receivers
Telecasting
Market and audience research
organizations
Market rankings, TV
Multipoint Distribution Service
National Association of
Broadcasters
Networks, TV
Program sources and services
Public relations and promotion
Representatives, TV sales
Sales and transfers
Satellite communications
services
Satellite and pay-TV programming
suppliers
Security equipment
manufacturers
Statistics
Subscription TV
Summary of world TV stations
and sets
Television Stations...
Armed forces
Call letters
Canadian
Educational
Group ownership
International
United States



Iowa-Ames-Des Moines

WOL-TV
Ch. 8

Network Service: ABC
License: Iowa State University Book Corp., 200
Sturtevant, Iowa State U. of Science, Ames, IA 50011
Telephone: 515-294-5555, TWX: 910-529-1152
Broadcast Facilities: Channel No. 5 (76-82 MHz),
20 kW max. antenna 1850 ft. above sea level

Latitude 41° 42' N
Longitude 93° 36' W

Transmitter: 1 kW, 5 ft. above ground

Satellite Earth Station: Transmitter/Receiver, 9 m,
Ku-band, Andrew, 7.5-meter, Scientific Atlanta, 7 m,
Harris, Scientific Atlanta, MIA-Com receivers.

News Service: AP, ABC

Ownership: Iowa State University Book Corp., 1
John D. Short, exec.; Margaret S. Pickett, pres.

Began Operation: February 21, 1950

Represented (sales): Katz Television

Represented (legal): Colm & Marks

Represented (engineering): A. D. Ring & Assoc.

Personnel:

ROBERT G. HELMERS, president & general m.

RAY JOHNSON, general sales manager

ED A. POWERS, chief engineer

DIANA LAMMA, news director

JAMES MARVIN, programming coordinator

BETTY LOU MARLIN, public affairs coordinator

TERRY McFARLANE, promotion director

DON WORTH, business manager

MEL CRUTCH, marketing director

Weekend One Hour Rate: \$4000

Weekend 30 Sec. Rate: \$500

NETWORK BASE HOURS RATE: \$1000

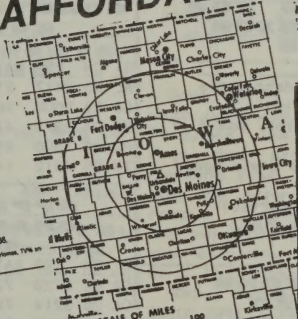
City of License: Ames, Iowa; Des Moines, Radio: 64

Total households: 1,400,000 (1988) Consumer Market Data as of 1/1/88 TV House: 1,100,000

Source: County estimates based on 1980 Census

Finally!

✓ AFFORDABLE!



Most hobbyists can't afford the \$300+ for new or one year old copies of this valuable TV-DX resource. I'm pleased to let you know that through contact with the publisher, almost 30 sets of the 1988 'Factbook' have been made available to us at \$60 per set.

To keep costs down and simplify handling, the publisher has requested me to handle individual orders and submit the club total as one package.

If you are interested in this extraordinary offer, please send a \$20 deposit right away. The balance due will be billed to you on April 1, and due April 30. Deposits will not be refunded on accounts outstanding as of May 1, 1990. Entire order will be sent to publisher May 7.

NOTE: If the total WTFDA order exceeds 10 sets, your per-set cost will drop to \$50. There are less than 30 sets available. First come-first served. Stated prices include shipping and handling.

SEND YOUR ORDER AND \$20 DEPOSIT TO:

TOM BRYANT
849 TODD PREIS DRIVE
NASHVILLE, TN 37221

(For more info call 615-646-2000
weeknights after 10 PM)

[In case anyone wonders, there will be little or no profit for me in this venture. It's simply administration of an offer made by Warren Publishing that I felt should be shared with all WTFDA members who might be interested.]

Television news

Bill Fahber, editor
336 Atlantic Street
Bridgeton, NJ 08302

ABBREVIATIONS USED IN THIS COLUMN:

AATm	Height (meters) above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam Tilt
CIR	Circular polarization
CP	Construction permit
CRTC	Canadian Radio-television and Telecommunications Commission
DA	Directional antenna
ELL	Elliptical polarization
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	Measured along a horizontal plane
MAX	In the direction of elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
Z	carrier frequency not offset

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	AATm	CITY/APPLICANT
ID	26	12.2	574	Coeur d'Alene; Idaho State Board of Education
ID	12	300	628	Moscow; Idaho State Board of Education
ID	13	3.98	131	Twin Falls; Idaho State Board of Education
MT	10	5	223	Helena; KFBB Corporation
ND	19	339	230	Ellendale; Prairie Public Broadcasting

APPLICATIONS DISMISSED

AZ	Phoenix; ch. 61; Compass Rose Communications Corp.
CA	Los Angeles; ch. 11; City Light Communications Inc.
CP	Lamar; ch. 12; Carl M. Fisher.
FL	Orlando; ch. 27; Emily LaForett (dismissed); Central Florida Television Ltd.; Florida Television Company; Highland Communications Ltd.; Magic City Broadcasting Inc.; Marlin Broadcasting of Central Florida Inc.; Orlando 27 Inc.; Sunshine TV 27 Inc. (Review Board decision)
LA	Columbia; ch. 11; Columbia TV & Radio Inc.; William L. Cook II.
TN	Memphis; ch. 13; Cozzin Communications of Memphis Inc.; Greater Memphis Communications Ltd.; Memphis Telecasters Ltd.; New South Media Company; River City Broadcasting; River City Communications Corporation; Shelby Broadcasting.
VT	Burlington; ch. 44; Northeast Kingdom TV (dismissed); Burlington 44 Company; Burlington Channel 44 Ltd.; David McMeekin; Maple Leaf

Broadcasting Partnership; Nichols Broadcasting Corporation; WCVQ Inc. (initial decision)

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	AATm	CITY/APPLICANT
FL	27	5000	490	Orlando; Reece Associates Ltd. (Review Board decision)
VT	44	3360	380	Burlington; Lake Champlain Communications Inc. (initial decision)

CONSTRUCTION PERMITS CANCELLED

ST	CH	CALLS	CITY
AL	55	WHHW	Gulf Shores
FL	61	WGBZ	Gainesville
IA	23	KMES	Ames
MN	11	KFTR-TV	International Falls

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	AATm	CALLS	CITY
AL	34	1128	142	WSDW	Ozark
CA	33	60.3	440	K...	San Luis Obispo
PA	60	60	214	WBPH-TV	Bethlehem
PR	46	1500	643	W...	Guayama
TX	29	108	132	KMPX	Decatur (amended)
VA	14	4470	219	WTMW	Arlington
WV	60	3923	307	WEWV	Martinsburg

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	AATm	CALLS	CITY
AL	63	2417	215	WTSU-TV	Montgomery
GA	63	5000	363	WHSG	Monroe
NC	64	2570	412	WKAY	Kannapolis
PR	42	1500	853	WIRS	Yauco
TX	55	3012	142	KLDT	Lake Dallas

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AATm	CALLS	CITY
CA	62	3720	723	KSLD	Riverside (cp)
CA	26	3214	784	KMPH	Visalia (mp)
NJ	50	5000	243	WNJM	Montclair (cp)
OH	64	5000	337	WIII	Cincinnati (cp)
SC	7	316	564	WITV	Charleston (mp)
(Just how many years old is this CP?)					
SD	17	19.7	151	KTTW	Sioux Falls (cp)
TN	61	5000	270	WDSI-TV	Chattanooga (cp amend)
WY	13	209	495	KGWR-TV	Rock Springs (mp)

CHANGES GRANTED STATIONS ON THE AIR

GA	Cochran; WDCO-TV, ch. 15, with CP specifying change to ch. 429; granted MP to raise ERP from 501 kw max/363 kw hor to 5000 kw max; 350m AAT/347m AG/463m ASL (14 meters lower AG); same TL; look for substantial increase in signal strength when it goes over to channel 29.
MD	Baltimore; WNUV-TV, ch. 54; granted license to cover CP for changes. See 8/89 VUD, except that ERP was incorrectly reported. It should be 5000 kw max. Change took place around October, 1989.

MD Baltimore; WNUV-TV, ch. 54; granted license to cover CP for changes. See 8/89 VUD, except that ERP was incorrectly reported. It should be 5000 kw max. Change took place around October, 1989.

MI Kalamazoo; WLLA, ch. 64; granted CP to raise ERP from 1433 kw max to 2500 kw max; same TL and antenna height (305 meters).

TN Chattanooga; WTCI, ch. 45; granted license to cover CP for changes; ERP raised from 741 kw max/617 kw hor to 1480 kw max; antenna height reduced 8 meters to 276m AAT/83m AG/696m ASL; same TL. I noticed that one reference called for a change to 148 kw instead of 1480. Could somebody verify one or the other? Change took place last fall.

TN Chattanooga; WDSI-TV, ch. 61; granted MP to raise ERP to 5000 kw max (confusing references: supposedly from a licensed 2218 kw, with an old permit to increase to 4613 kw, but I noticed the data base from Larry Fuss calls for a licensed 589 kw, and the 1989 Television Factbook calls for 584 kw max/457 kw hor. If that is the case, then expect a substantial increase in coverage area and signal strength); 375m AAT/168m AG/769m ASL (an increase of 64 meters over elevations in the 1989 TVFB); same TL; DA BT.

WV Morgantown; WNPB, ch. 24; granted CP to raise ERP from 2750 kw max/1875 kw hor to 3475 kw max; 454.5m AAT/145m AG/1059m ASL (13 meters lower); same TL.

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
AL	34	WDAU	Ozark; WSDW
IA	48	KRBV	Cedar Rapids; Jefferson Bcng Co.
MN	47	KXLT-TV	Rochester; KXLT
SC	21	WGRS	Florence; WFIL
WV	60	WEMV	Martinsburg; Ralph D. Albertazzie

CALL LETTER GRANTS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
CA	9	KCAL	Los Angeles; KHJ-TV
TN	39	WENT	Greenville; WETO
TN	16	WMTU	Jackson; WJMT

NEW STATIONS ON THE AIR

CA San Luis Obispo; KADE, ch. 33z, reported by Jim Pizzi to be on the air as of 1/27/90; recent application calls for 60.3 kw max ERP, 440m AAT; satellite of KADY-TV, ch. 63, Oxnard CA. Last I knew, the station didn't even have call letters yet.

NM Hobbs; KHFT, ch. 29+, went on the air February, 1989; 8 kw max ERP; 159m AAT/155m AG/1258m ASL; TL Marland Drive, 2.9 miles east of Hobbs; coordinates 32°43'28"/103°05'46"; BT HOR; independent station; address: Hobbs Family Television, 420 N. Turner, Hobbs NM 88240.

NC Morehead City; WFXI, ch. 8+, went on the air 11/6/1989; 316 kw max ERP; 599m AAT/597m AG/599m ASL (station applied for MP back in September, 1988, requesting 249m AAT/247m AG/249m ASL, but I don't know if that was granted); TL Open Grounds Farm, 5½ miles

northwest of Stacy; coordinates 34°52'53"/76°30'23"; BT HOR; FBC affiliate; address: Local Television Associates Inc., One Television Place, Hwy 70 E, Morehead City, NC 28557.

OR Klamath Falls; KDKF, ch. 31z, went on the air 10/15/1989; 100 kw max ERP; 723m AAT/59m AG/2011m ASL; TL Stukel Mountain, 11.7 miles from Klamath Falls, Merrill County; coordinates 42°05'56"/121°38'00"; ABC affiliate; address: Sunshine Television, 1090 Knutson Avenue, Medford, OR, 97504. (Note: a few months before signing on, station applied for 6 kw max ERP; 691' AAT/44m AG/2005m ASL; hardly worth ABC's time, but I don't know if this was ever granted.)

OR Portland; KTDZ-TV, ch. 24+, went on the air 11/16/1989; 2710 kw max ERP; 463m AAT/231m AG/553m ASL; TL existing KOIN-TV, ch. 6, transmitter site, 5516 SW Barnes Road, Portland (69 meters lower, however); coordinates 45°30'58"/122°43'59"; TBN affiliate; address: National Minority TV Inc., 432 NE 74th Avenue, Portland OR 97213.

SD Rapid City; KCLO-TV, ch. 15-, went on the air 11/28/1988 (I missed that one somehow); 690 kw max ERP; 160m AAT/128m AG/1280m ASL; TL Skyline Drive, approximately 0.8 mile south of the intersection of Routes 44 and 79, Rapid City; coordinates 44°04'14"/103°15'01"; BT HOR; CBS affiliate; probably another satellite of KELO-TV, ch. 11 in Sioux Falls, SD, both of which are owned by Midcontinent Broadcasting.

SOAPBOX

Some months back I quoted from an article which dealt with somebody who deals in collectible TV Guides. The fact that I published information from that article resulted in some angry comments from Jeff Kader, who who asked me to copy his letter verbatim, which I will do within reason. "I've resisted publicizing my business in VUD but since you are giving free plugs to my main competitor, Howard Rogofsky of Glen Oaks, NY ... I've changed my mind.

"Okay, I have a 12 year old business called TV GUIDE SPECIALISTS. It is the largest and oldest back issue TV Guide business in the world. It is all I do for a living. I have a 56 page illustrated catalog that costs \$3.00 which lists every TV Guide from 1949 to 1989. All TV Guides from April 3, 1953 to the present are in stock at all times.

"As to the history of TV Guide, let's get this straight. There were two magazines called TV Guide. The original was called Television Guide and it began in New York City on June 14, 1948. The familiar screen logo in the upper left corner of the cover began on July 23, 1949. The magazine shortened it's (sic) title to TV Guide on March 11, 1950. It stopped publication with the March 27-April 2, 1953 issue.

"The most valuable TV Guide is the June 14-20, 1948 issue (vol.1, No.1). There is only one copy known to exist. Ten years ago the owner gave me an excellent photocopy of it and I now sell a color reprint of the entire issue for \$10.00 + shipping.

"In my personal collection I have all but 15 of these original New York City 'pre-nationals'. The

ones I still need are from June thru October of 1948. These 'pre-nationals' are very hard to find. I do have some for sale. Ones not for sale I can photocopy.

"National TV Guide began on April 3, 1953. Contrary to the article in Jan. VUD, the Lucy's Baby issue is not the rarest national issue, but rather it is the George Reeves Superman issue from September, 1953. That issue is much harder to find than the Lucy's Baby issue (I have 12 NEAR MINT Lucy's Baby's in stock but just a few of the George Reeves).

"As to why my business was not mentioned in the 4/7/89 Oregonian article the so called 'journalist' who wrote this article (which has been distributed nationally) demanded money from me in order to plug my business. I refused. Mr. Rogofsky didn't. It's as simple as that. So much for American Journalism and greed in the 80's. But don't pity me, TV GUIDE SPECIALISTS is thriving and doing just fine."

Which brings me to where I add my two cents. As one of the Board of Directors, my thoughts were requested some time back on the proposed hike in membership dues and complaints about commercialization in the VUD. I had already offered no objection about the increase in dues, but suggested that club members deserved some sort of annual report of finances, income, disbursements, and membership size, which could be published in the VUD.

One the subject of commercialization, I made no response. Until now. I have no objection when those who spend large amounts of time and money make an effort to make some gain off their investments. A basic Judeao-Christian principle (excuse my touching on another hot issue) is to not muzzle the ox that does the plowing. I had kept the copyright to the North American TV Data Base with the thoughts of publishing the information on my own outside the club. The only reason I didn't was that I felt the demand was not worth the investment. But if I had published, I would have considered promoting it in my column.

If somebody is putting his time and money into the club, his ability to profit from it could benefit the club. It is because I am unable to profit from my work that I can't afford a more current data base or other more accurate references, and therefore I have to caution readers of this column occasionally that some information may be faulty or outdated. Three examples appear under NEW STATIONS this month.

But I could understand objections if a member does little or nothing to benefit the club, yet attempts to make gain from the club.

I invite comments, friendly or hostile, to this soapbox.

FORUM

BILL THOMPSON (Buffalo NY) sent in a few newspaper clippings, two of which are from those fine print legal notices. One proposes construction of a LPTV on channel 13 in Buffalo, Kenmore, NY, at 70 watts. The other is for channel 45 in Buffalo, for 29 kw.

Another clipping, from the 1/12 San Diego (CA) Tribune, announces that San Diego Appliance, 1201 University Avenue in San Diego, is selling the

Hoover Elite 200 Upright Cleaner for \$59.99.

JIM RENFREW (Rochester NY) reports on local LPTV stations. W15AL, Brighton NY, went on the air 1/2/90; Jukebox Network; "The W15AL transmitter is 1000 watts and is located on Pinnacle Hill, the highest point in the immediate area of Rochester, upon which existing high power stations also operate. The signal is expected to cover 8-10 miles."

Other LPTV plans in the Rochester area are W38AW, to sign on March 1; W40AG (Channel America), W57BE (Evergreen Broadcasting), W59?? (Inspirational TV) and W63?? (Metro TV, Inc.).

More on those collapsed towers in North Carolina from **MAIT SITTEL** (Raleigh NC): On "12/10/89 both WRAL-5 & WPTF-28's towers collapsed due to an ice storm. To explain the situation, on 12/8 around 3 pm rain changed to sleet, and continued, alternating back and forth from sleet to freezing rain and varying in intensity for 6 hours, and then stopping, only to start up again early 12/9 and continue for at least 12 hours more, depositing 2-1/4" ice.... By daybreak on Sunday 12/10 the sun melted one side of the tower, and not the other. The center of mass shifted and down came the tower. About 30 minutes later [the other] tower did the same.

"By day's end WKFT-40 had picked up WRAL-5's programming, and dual ID's began, yet 100% of the programming was WRAL's. By Monday morning WYED-17 & WFCT-62 were broadcasting WPTF-28." "This was the situation until I left 12/15 for home for Christmas. Upon returning 1/6, WPTF-28 had returned to the air." "The current tower is now located in Apex (Matt later adds that a TV Guide ad mentioned a 1300-foot tower in Apex. -wb), site of sister FM WQDR-94.7, I'd say 15 miles west of its previous location in Auburn, NC. WRAL apparently returned 1/14 with some sort of signal from WTRG-100.7's tower in Middlesex, NC in southwest Nash County, about 20 miles northeast of its old location next to WPTF's tower.

"While WPTF's signal is not noticeably different from its previous signal ... WRAL's signal is noticeably more weak."

"Also, just a few days ago (~1/12) I noticed on channel 13 some sort of a 'Video Jukebox Network.' It consisted of a 900 number to order videos, and a screen of 4 constantly changing video titles. A computerized voice also is occasionally heard. Where this is broadcasting from I do not know, yet WBTV-13's audio and video can override this station with a little enhancement most mornings. Who is this?" (W13CI, Raleigh NC, 148 watts ERP, 114m/374' AG, TL 5721 Chapel Hill Road. -wb)

"Also, on 12/1/89 WETO-31 Greenville, TN became WENT-39. I still have yet to see WFXI-8 Morehead City, NC!"

LARRY FUSS (Fayetteville GA) sent an ad for the 1990 Television Factbook. For \$345 and \$20 shipping & handling, you can purchase the two-volume set. Or you can wait until the next time somebody wants to

This is what happens when you forget to put a margin command in your text file. At least they didn't overlap!

sell a used edition for \$4. Or you can do like me. If anybody out there wants to sell a Stations Volume edition no older than 1987 for \$30, let me know. I'm still using my 1980 edition.

Indiana news from RALPH STROBEL (Muncie IN), who writes, "Did you know that WINM-63 Angola, IN no longer exists? According to Bob Zent (Huntington, IN) WINM went off air about the middle of November. Went broke." Oh, well, you winm some and you lose some.

"On 1/3 I noticed a new station on ch. 47. It is W47AZ in Indianapolis. This is a 24 hour Rock Video Network called 'Juke Box Network' (Miami, FL). It is in stereo. The signal is quite good here. Picture is a little fuzzy at 50 miles. I have no idea what their ERP might be." (41.5 kw ERP; 262m/860' AG; TL 2341 W. 79th St. -wbf)

Ch. 11 Indianapolis was supposed to be on air last Sept., but have seen no sign of it yet." (W11BV, Channel America, went on the air 10/28/89. Call 317-254-1511 for information. - wbf)

Two articles sent by Ralph relates to K26AD, Coeur d'Alene, translator for KUID in Moscow ID. A nearby high - powered transmitter was interfering with its reception of the original signal. Technicians made some temporary improvements to the system. The second article mentions application for FCC approval to construct a 1-kw microwave transmitter. Why microwave?

The new SYNDEX (syndication exclusivity) law has been upsetting viewers. One person I know is upset because certain programs on WWOR-TV in stereo are blocked out because a local Philadelphia station has the local syndication rights to those programs, but not in stereo. Another beef comes from ALBERT LOBEL (San Diego CA), who writes, "I feel that if I want to watch something I should be able to watch it when I want to watch it, not when someone feels I should watch it. To block a television or radio signal is most certainly a communist tactic. I will not stand for it. First, I will be placing my TV antenna ... on my roof with a more powerful amplifier in the not too distant future. Second, I have written letters to my local cable, my congressman and the FCC telling them in not so uncertain words what I think of the new SYNDEX law. I encourage all members of the [WTFDA] to do the same. If we are to protect our rights to DX the FM and TV bands we must fight now before it is too late. I have heard rumors that if the FCC had its way we would be forced to put devices that would block distant signals when they duplicate local programming in the next five years. I will never do any such thing and will cut the wires on any such device and use them to hang the idiot who tells me I must allow the device on my antenna."

To the best of my knowledge, SYNDEX refers to cable carriage of distant stations or cablecasters, and has no connection with any restriction of broadcast signals. And I am not familiar with any attempts by the FCC to install devices to block out certain programming. That would require the broadcaster to transmit some kind of coded signal prompting television sets in certain regions to reject the signal. You're talking about an awful lot of expensive technology.

JIM PIZZI (Paso Robles CA) reports, "KADE-33 in San Luis Obispo, CA is on the air 1-27-90. It is a satellite of KADY-63 Oxnard. Good signal here in Paso."

Jim also sent an article from the 1/11 Bakersfield Californian. "Four television stations broadcasting in Bakersfield have filed separate petitions with the [FCC] to block the sale of KDOB-TV Channel 45, owned by Dorothy Owens, to her brother, country singing star Buck Owens, owner of radio stations KUZZ AM and FM. The petitions allege that the brother and sister have secretly worked together from the beginning of KDOB (broadcasting began Dec. 18, 1988) in order for Buck Owens to realize a longstanding desire to control a television station."

"All the petitions before the FCC allege that Dorothy Owens underfinanced the station in the beginning in order to bring about a bankruptcy, which is a condition under which the FCC is more prone to waive its usual prohibition against ownership of a radio station and a television station by the same company in the same town."

This article about Canadian Home Shopping Club from DAVE SINCLAIR (Vancouver BC), who writes, "They would never be allowed to purchase unused UHF frequencies."

From the 1/2 Vancouver Sun: "It's a TV network with only still pictures of products, salespeople's voices and some printed on-screen information. There's no action, no movement, no pizzazz." (Sounds a little like CBSI - wbf) "Viewers also don't see the spreading tide of red ink at the Home Shopping Network. It has piled up \$48.4 million in losses for its majority owner, Rogers Communications, Inc., in less than three years. A senior executive says the subsidiary might have to get into other businesses if it doesn't obtain regulatory approval to use moving pictures on the air." "The [CRTC] rejected an application for motion earlier this year, but [vice president of broadcasting Jim] Soward said the network is still hopeful the broadcast regulator will change its stance."

"Other broadcasters opposed the application, arguing they're limited to 12 minutes of ads an hour while the home-shopping network can run 60 minutes' worth."

I only got one article left, which I clipped out myself. But it's late, and I don't care about the blank space to follow, so I'm calling it quits for this month. I'm not even bothering to check spelling.

Happy DX to all of you!



FM NEWS

Bruce F. Elving, Ph.D., Editor
Box 24
Adolph MN 55701-0024, U. S. A.

Readers' Reports

W. R. McIntosh has been bothered by the shorter columns I have been doing lately (although last month this column was as long as any in the VUD), and says "I find that even after reading the VUD for years I know practically nothing about the organization or decision-making in the WTFDA. Hmmm—some long-timer in the club should write a page or two on club history and details of how the club works inside and out.

"I still find it hard to believe that one letter from Mike Bugaj could cause you to change your whole approach to column writing. Surely there is room enough in the WTFDA for all of us to enjoy our hobby in our own ways. Personally, I never read the DX or QSL columns. Your column (FM news) and Bill Fahber's column (TV news) are all I read. It takes so long to get DX info into print that it is useless to me for my DXing. I've been DXing for over 60 years now. Have kept logbooks from time to time, but not continuously. Have never spent money on QSLs. Prefer to spend my money on equipment. Have been particularly interested in antenna design and building as was my father from whom I learned the DXing AND listening hobby. My father started DXing way back in crystal set days. I started DXing on a BCB TRF he bought (in 1927). Both of us designed, built, and repaired our own equipment occasionally as well as doing work for others. My dad quit hot-soldering iron work when metal encased tubes came in; I quit when transistors came in."

Mc sent a new slogan (not a nonID) for KCGO-FM 105.1, "the concert station," and an ad for KUSC *91.5 Los Angeles claiming to be the number one public radio station in America, with a regional network on the air. Its newest is KPSC *88.5 Palm Springs, getting its signal via satellite.

Bill Nienajadly's still after so-called "lame" FM stations, and enjoys DXing despite the programming. "It's amazing that noone at these stations cares about listeners. Heh! Well, I listen to FM more for DXing than program content! I once thought FM had good programming, but that was a long time ago! . . . What is 'rock garbage' [seen in Jan. FMedia!]? AOR? Top 40? Oh, maybe 'soft rock'? Heh! . . . I sent a Feedback to WTFDA. I said that I'm tired of hearing all the negative comments about you."

Bill Thompson from club HQ says he will probably not print what Nienajadly sent for Feedback. "Turning Feedback into a debate column about previous Feedbacks was not my intention." Thompson mentioned getting some unsigned comments from a reader. "As far as I could determine, the writer wasn't a WTFDAer—but claimed to be a 'longtime' member—and didn't include a return address. Obviously, I didn't use them in Feedback." The letter included ethnic slurs and asked "How much does WTFDA pay Elving for killing AM radio each month?" [I can say that the letter resulted in the club's dropping its \$50,000 per month subsidy I was getting, so in retaliation, I have dropped "AM Happenings Most Likely Caused by FM" from the VUD. I remain a loyal WTFDA member, however, but will be spending the treasure I made from WTFDA on projects that are sure to bring about the eradication of AM broadcasting by 2000—b.e.]

"The comments we have used in Feedback are always

'minority' opinions [and] my perception is that the vast majority of WTFDAers are quite happy with your work and enjoy your column. If it is indeed true that 'one person, one comment' has caused you to radically alter the style of your column, then I am rather surprised. Personally, I'm sort of amazed that you have continued to do the FCC FM column while also publishing FMedia! As a fellow small publisher, I can appreciate your workload."

"I liked all the extras in your column," writes Greg Coniglio. "It made for very interesting reading. The news was not always DIRECTLY related to DX, but your column isn't a DX column! It's called FM News, not DX. Your column is usually the first I turn to when I get the VUD, after briefly checking if the print in my column reproduced all right. I like to see the updates on what's going on on the FM dial (by the way, the news is usually very timely!) and I also am interested in the editorial comments often included. In short, I enjoyed all the extras in FCC-FM news and would be very sorry to see them go. I know a few others who feel the same way, too!" And I enjoy Greg's column. Search below, "See Also," for items that I have culled from it.

"I suggest that those who find portions of your VUD column 'irrelevant' to DXing simply skip over the sections they're not interested in," says Nick Lombardi. "I can't imagine anyone objecting to too much information, and hope you will soon restore your column to its former full featured, full length self."

The program guide of KCGN 101.5 Ortonville MN acknowledges FM DX, "the long established hobby and new technology combine to help people receive Christian broadcasting." Al Gilbertson, engineer, will be doing articles in future guides on getting "long distance reception on a regular basis. . . What a fantastic way to expand interest in the gospel message." (605) 432-9571

KCGN
FM 101.5

They are asking for reception reports from long-distance listeners and will air a special DXing program at 5:15 p.m. Mondays.

Jeff Kadet kindly sent an article on Edwin Howard Armstrong, 1890-1954. Armstrong would have been 100 Dec. 18. The article came from KB1T Ham Radio Calendar and written by Tom Lewis. FM was, as Sarnoff said, not so much an invention as a "revolution that would stun the radio art," and it was to be Sarnoff's RCA that was to slow FM development, by forcing Armstrong to relocate from the Empire State Building to Alpine NJ, where he continued his experiments.

Ken Onyschuk has tried for the new WKBW 100.7 Coal City IL, but has not heard it; only WYEZ 100.7 Elkhart IN. When WKBW comes on let us know if it has stereo and its music format and any nonIDs or multiple city IDs.

Karl Zuk answers Robert Mugrdechian's defense of W232AL and WHITZ Newark-New York city. "I listen to Z-100 all the time, although I am not a fan of no-dynamic-range processing. . . I am an FM DXer, a listener, and it annoys me that spectrum space is filled with redundancy of this type instead of services that would serve their locale. . . Wouldn't it be nice if we could get low-powered primary stations on the air, especially as part of an amateur broadcast service? I used to be able to hear WCTO and WJLK-FM on 94.3, depending on the direction of my beam. Now I get a

copy of Z-100, louder than the original. Is the public being served? The biggest "mountains" around here are just bumps in the ground, not enough to even dent powerful signals like Z-100's. Welcome to the AM-ization of the FM band! ... I really miss the full sized FMedia! column in the VUD. I already subscribe to so many reference publications that another would be redundant, but I do like seeing your comments and insight. Is the editing really necessary?"

Chris Cuomo wonders what happened to "CIRL" Montreal. "The NRC's FM address book lists it on 88.5. The Montreal Yellow Pages list it on 650 kHz, the same frequency that CKO-1470 was scheduled to move to before it went silent." I wonder if he means CIBL, to go to 101.5.

Matt Sittel mentions WHLQ 102.5 Louisburg NC on air with stereo, and WRCQ Dunn has just moved from 103.1 to 103.5, r, \$, ID with Fayetteville. "WNCN-FM 107.9 NC Greenville is still 'b'! It never has been r recently to my knowledge."

Jim Renfrew told of WUNC *91.5 Chapel Hill running 100 watts due to ice falling onto the FM mast from the taller TV antennae, while he claims the new call for Hickory NC 102.9 is WECZ. I list it as WEZC. If he or someone else can sort that out, let me know. Also, WRAL 101.5 Raleigh was off for a while after losing its tower due to ice, but a replacement tower has been built.

Now to the more "official" news which partly filled a newsletter that I do.

New FM Station Grants

Translators excluded this month
 FL Gulf Breeze 95.3 3000 h.v.; 100 m
 GA Reidsville 104.1 1400 h.v.; 342 m
 GA Trion 95.7 600 h.v.; 215 m
 HI Hilo KEAU *88.1 5000 h.v.; 340 m, HI Public Radio, to be \$, c
 IN Nappanee 95.7 1400 h.v.; 148 m, The Cobbs
 IA Eddyville 101.5 5000 h.v.; 150 m, r
 KS North Fort Riley (Manhattan) 102.5 50000 h.v.; 150 m, Anita Kay Cochran
 KS Rozel (26 km W. Larned) 97.5 500 h.v.; 30 m
 KY Midway 107.9 3000 h.v.; 100 m
 MS Greenville 104.7 5000 h.v.; 146 m, Segue
 MO Willard 100.5 3000 h.v.; 100 m
 NE Alliance *91.1 92300 h.v.; 404 m, NETV
 NE Lincoln 95.3 3000 h.v.; 22 m, L. Bcstg., Inc.
 NJ Ocean Acres (39-44-30; 74-18-00; 7 km NW Manahawkin) 98.5 3000 h.v.; 100 m, Seair
 OH McConnelsville 100.9 930 h.v.; 176 m, Trell Bcstg. Co.
 OR Newport *90.5 3000 h.v.; 263 m./
 PA Northumberland 107.3 2000 h.v.; 115 m
 SD Sioux Falls 101.9 19500 h.v.; 239 m
 TX Hereford 103.5 50000 h.v.; 150 m
 WA Pullman *88.1 200 vertical only; 248 m, g.
 Living Faith Fellowship
 WI Sturgeon Bay *90.5 50000 h.v.; 163 m, g.
 Family Educ. Bcstg. Corp.
 ON Ottawa *89.1 3200 h.v., U. of Ottawa

students

*90.7 CBOF AM replacement, mono, French, 84000 h.v.; 323 m [h.v.; 323 m
 *91.5 CBO AM replacement, mono, 84000/... Rawlco, CFGO, with an fm format, but "can't use the 92.1 mhz frequency as proposed"

Call Letters Assigned

AL Fayette 98.1 WTX (WHKW), fair
 AL Russellville 97.7 WZMX (WKQL)
 AZ Phoenix 102.5 KNIX** FM** (KNIX-FM; AM in Tempe gets new calls)
 AR Trumann 106.7 KIHV [Valley CA]
 CA Gonzales 104.3 KPUP-FM (AM is in Carmel)
 CA Guadalupe 105.5 KOHD
 CA Los Gatos 95.3 KRTY (KYAY)
 CA Madera 107.3 KJDN [lite AC"]
 CA Sacramento 96.1 KYMX (KCTC), mr./
 CA Taft 103.9 KMYX-FM (KLKV), m, adult standards in \$ (tereo), but off air for move to a new transmitter site
 FL Beverly Hills 97.1 WPDS (WEOA)
 FL Chattahoochee 105.3 WUMG
 FL Clearwater 97.9 WXTB (WKRL), r, still "98 Rock." Was briefly all Led Zeppelin.
 FL Jacksonville 96.9 WKQL (WAIV-FM), o
 FL Leesburg 106.7 WXXL (WHLY), r, "XL-106.7"
 FL Newberry 100.5 WNFQ
 GA Clarksville 102.9 WCHM** FM**
 GA Valdosta *91.7 WWET, now on air
 HI Lihue *90.1 KIPU [The X"]
 IL Belvidere 104.9 WXRK (WYBR), op./
 IL Chicago *88.3 WXAV [in Wichita]
 KS Hutchinson 102.1 KZSN-FM (KZSN AM is/)
 KY Vanceville 99.9 WUMD
 LA Buras-Brass 99.1 KESN
 LA Mamou 101.1 KING
 ME Fairfield 93.3 WUMH
 ME Old Town 107.3 WUMC
 MI All agent 92.3 #KGGH
 MN Caledonia 94.7 KKOO
 MS State College 104.3 WUMI
 MO Bolivar 105.9 KGBX** FM** (KY00-FM), r (AC-adid), ID with Springfield ("doesn't say Bolivar; they weren't very friendly when I called and asked them about this")
 MO Cameron 92.3 KDEE (not KFRR, which is an AM station in Englewood CO)
 MT Ennis 98.7 KKMT-FM (KKHJ)
 NV Carson City *91.3 KNIS (KNIB)
 NV Elko *91.5 KNCC
 NV Las Vegas 103.5 KLTN, "Lite 103-5" (KKNV; KRBO Las Vegas is on 105.1)
 NV Mesquite 97.5 KIPP
 NH Moultonborough 106.9 WNXX (on KHSA)
 NY Ellenville 89.3 WWWW (WELV-FM), m, and "lame," "K-Lite 99.3 FM" (strict)
 NY Frankfurt 94.9 WKLL
 NY Old Forge 94.1 WUMA
 NY Charlotte 95.1 WROQ-FM (WROQ)
 ND Valley City 100.9 KOVC-FM (KLPR), o
 OH Cleveland Heights 92.3 WJMO-FM (WROC), s, "Jammin' 92" (no more "Hot 92")
 OH Hamilton 100.5 WGRR (WBLZ), o, "Oldies 102.5"
 OK Taft 100.3 KHJM (KTCP)
 OK Tishomingo 106.3 KTSH
 OK Woodward 92.1 KMZE (KWJY), to be \$
 OR Myrtle Point 94.1 KNAR
 OR Portland 101.9 KUFO (KKCY), r
 PA Lock Haven 92.1 WSNW (WWZU), "Sunny 92," r, drops multi-city ID
 PA North East 100.9 WRKT (WRKT-FM), op
 PA Pittsburgh 104.7 WESE-FM (WNRJ; AM is in Boston MA), b, easy listening. "Nice and Easy 104.7 FM," filling the void left by WSSH 99.7.
 105.9 WAMO** FM** (WAMO-FM; AM new calls)
 TN Jackson *90.1 WJTR
 TN Maryville 95.7 WGAP-FM (WYNO)
 TX Dallas 97.9 KKKM-FM (KZEW), m, "Warm 97.9 FM," is "soft rock but not totally lame."
 TX Johnson City 107.9 KBZD

TX South Padre Island 92.7 KJIB (not KOUA)
 TX Victoria 92.3 KAMV, to be 100 m (3000 h.v.)
 TX Wichita Falls 105.5 KLLA
 UT Centerville 105.7 KBCK (KCGL)
 VA Accomac 99.3 WKIV
 VA Crozet 102.3 WCYK-FM (WJLT-FM), k
 WV Wheeling 97.3 WKWK-FM (WEE), mr
 107.5 WEGW (WZMM), op, "Eagle 107."
 WI Green Bay 98.5 WQLH (WDUJ-FM), rm, \$,
 WI Mayville 98.7 WMMV (not WTTA)
 WY Diamondville 105.3 KFGL

"Please don't cut FMedia! I enjoy that immensely!
 Don't let some [expletive deleted] ruin that!"

Facilities Changes Granted (selected)

AL Eutaw WIDO 104.3 2300 h.v.; 113 m
 AL Mobile WKSJ-FM 94.9 459 m (100000 h.v.)
 AK Anchorage KNIX-FM 105.3 44500 h.v. (79 m) [1900 h.v.; 174 m, still Class A
 AR Huntsville KFAY-FM 92.9 (from 95.9)/
 CA Desert Center KZAL 105.5 (from 102.3) 58000 h.v.; 579 m, simulcasting with KZUL 105.1 LA Havasu City AZ
 FL Crestview WAAZ 104.7 (from 104.9) 50000 h.v.; 150 m, C2 [23400 h.v.)
 FL Homestead WXDJ 95.7 513 m [m, C1
 FL Melbourne WAGA 107.1 100000 h.v.; 183/
 FL Mexico Beach WMDA 99.3 100 m (3000 h.v.)
 FL Orlando WURG 98.9 1500 h.v.; 134 m [C1
 ID Lewiston K02E-FM 98.5 27500 h.v.; 274 m./
 IN Fort Wayne WAJL 95.1 39000 h.v. (207 m), supermaximum facilities for a Class B
 KS Wichita KEYN-FM 103.7 95000 h.v.; 262 m, forfeited CP for 315 m
 KY Burnside WJDJ 93.9 50000 h.v.; 150 m, C2
 LA Lafayette KRRQ 95.5 2100 h.v.; 119 m, not yet on [grant for 98.7 rescinded
 LA Oakdale KICR-FM 104.9 3000 h.v.; 70m./
 LA Thibodaux KNSU *91.5 100 h.v., remove stereo listing. "Its CP for 91.3A is about eight years old and has never been activated. For all I know, the station may not be on the air any longer. KPAE *91.5 Erwinville LA is stereo."
 MD Waldorf W21R-FM 104.1 22000 h.v.; 233 m
 MA Boston WROR 98.5 9000 h.v.; 349 m
 MA West Yarmouth WOCB-FM 94.9 120 m (50000 h.v.) [31600 h.v.; 188 m, C2
 MI Kalaska WKLT-FM 97.5 (from 97.7)/
 MI Rogers City WMLQ 96.7 (from 97.7) 26000 h.v.; 117 m, C2 [50000 h.v.; 138 m
 MN Blue Earth KJLY 104.5 (from 100.9)/
 MN Cloquet WSPN *100.5 (from 100.9) 97200 h.v.; 267 m [147 m, C2
 MS Ocean Springs WOSM 103.1 50000 h.v.;
 NE Nebraska City KNCY-FM 97.7 26000 h.v.; 91 m [50000 h.v.)
 NH Portsmouth WHEB-FM 100.3 136 m/
 NJ Trenton WCHR 94.5 50000 h.v., 47900 v, 150 m, d-a (directional antenna); to go \$
 NM Roswell WKUR 106.5 52000 h.v.; 41 m, C1
 NY Kingston W129 *-91.7 (from W220AE 91.9)
 OR Bend KIDD-FM 98.3 650 h.v.; 215 m
 PA Allentown W214AB *90.7 (from Bedford), transmits from "Blue Knob." "I can now hear this regularly, but never used to."
 PA Blue Ridge Summit W272AS *102.3 (from W209AH *88.7 Waynesboro); carries WOEL *89.9 Elkton MD, despite much closer WMTB 89.9 Emmitsburg MD. This due to quirks of terrain and WMTB's shielding behind a mountain ridge. "Sometimes the WDEL signal fades and I hear WV Public Radio, being relayed on WMTB."
 PA Mifflinburg WBBE 98.3 123 m (3000 h.v.)
 TN Chattanooga WDAY *90.7 100000 h.v. (250 m) [100000 h.v.; 170 m, C1
 TX Denton KEZP 94.9 (from 103.1)/
 TX Denton KNTU *88.1 with directional antenna-2, separate day and night patterns.
 KJCR *88.3 Kaene is protected all the time, while KEOM *88.3 Mesquite is protected only during the daytime (school) hours when it is on-believed the only FM station in the U.S. with a DA-2. When KEOM is off the air,

KNTU can expand its 100 kw coverage in that direction. [h,v; 133 m, C2
TX DenverCity KDNC 97.5 (from 107.1) 50000/
TX Galveston KQKQ 106.5 4000 m (100000 h,v)
VT Lyndon WGMT 98.3 80 h,v; 573 m, to be rm,
target date Mar. 1; to be Stereo?
TX Yoakum KYOC 92.5 (from 102.3), A
WA Edmonds KCMS 105.3 100000 h,v; 302 m
ON Kitchener CKWR 98.7 1450 h,v (52 m)

Stereo, or to Be Stereo

GA Fort Valley WKXK 97.9, k, no nonID
ID Payette KQXR 100.3, q, back on air as of
1-15-90, "Q-100"
IL Lynnville WEAJ 107.1, r, ID with Jacksonville,
on from 6 a.m. to midnight [still "B-102"
LA Boyce-Alexandria KBCE 102.3, s, /
LA Opelousas KVOL 105.9, rp, ID with Lafayette,
"105.9 KVOL, the rock legend"
LA Washington KNEK-FM 104.7, k [country]
MA Athol WCAT-FM 99.9
MA Greenfield WHAI-FM 98.3. They're applying
for an increase in height and slight decrease in
ERP to serve the Amherst-Northampton
market. "The market continues to be Mecca
to all the regional broadcasters."

MO South West City KWMQ k; is it 103.1 or
100.3?

NY Arlington WEXT 96.9 jm, "a mix of jazz,
pop, AOR, soul, new age, blues"
NC Louisburg WHLU 102.5, r, "Q-102.5"
SC Greenwood WMTY-FM 103.5, "Y-103.5"
TX Columbus KULM 98.3, k
TX Madisonville KAGG 96.1, k
TX Marshall KEEP 92.6, k
TX Sherman KWSM 104.1, mr, "soft AC"
WA Olympia KXSO 96.1, r, "soft rock," but
heavier than other soft-rock stations in
Seattle or Portland.
WI Chippewa Falls WCFW 105.5, still mk

Monophonic

CA Yucaipa KLRD "90.1, gr format. "We tried
stereo; but it reduced our coverage. We play
Christian contemporary music and have no
talk programs over five minutes." I advised
them that they should resume stereo and use
translators to cover areas that would lose
service.

CO Ignacio KSUT "91.3, remove \$ listing. Has
been mono for several months now.

LA Lafayette KSJY "90.9 mono—remove \$
listing

Format Changes

Formats are the same as in the FM Atlas
AL Montgomery WBAM-FM 98.9 o [dies rock]
AZ Phoenix KOOL-FM 94.5 o, still "Cool FM"
CA Bakersfield KERN-FM 94.1 o [lite]
CA Carpinteria KSBL 101.7, mr, "Santa Barbara/
CA Glendale KLIT 101.9 m [Z-Rock"
CA Hanford KCLQ 107.5, r, not yet going/
CA Sacramento KYDS "91.5 pr, no jazz, mono,
on school days only until about 10 p.m.
KFRG 95.1, k, "95.1 The Frog" (San Bernardino)
CA San Diego KSDO-FM op, classic rock
CA San Francisco KITS 105.3 pr
CA Shingle Springs KLQJ 102.1 gr, \$
CO Colorado Springs KSPZ 92.9 o, "Oldies
92.9" (from "Z-3-FM")

CO Pueblo KGRQ 107.1 op, classic rock
DE Ocean View WRKE 101.7, r, "Kiss 101.7"
FL Apalachicola WQYS 100.9 m, \$ [AM
GA Ashburn WFFM 105.7 k, parallel to WNNQ/
GA Boston WTUF 106.3, ID with Thomasville
GA Buford WLKQ 102.3 o
GA Gainesville WFOX 97.1 o
GA Millen WMKO 94.9 to be k
IL Chicago WFRY 103.5 o
WJMK 104.3 o, still "Magic 104"
IL Quincy WZLZ 103.9 pr, "The Z FM."
IL Shelbyville WEJT 104.9 bt, b, \$, days; Larry
Kling at night
IN Brazil WSDM 97.7 mr, SMN Starstation, ID

with Terre Haute, still "Wisdom 98"
IN Rockville WAXI 104.9 m, "Stardust 105"
IA Boone KWBG-FM 98.3 m
IA Davenport KILK 103.7 o, "Cool FM"
IA Des Moines KUCB "89.3 sj, back on air,
mono, with a "signal that is believed to be
way below their licensed power." Using a
250-watt transmitter, as the 5 kw unit
"wouldn't fire up." Also has tapes (talk) from
the Nation of Islam. Has an all-volunteer
staff, "very unprofessional, but at least Des
Moines' black community has a radio voice
again." This reappearance of KUCB after a
1½-year hiatus came after the FCC issued a
show cause why its license should not be
revoked. FCC inspections showed the station
had been evicted from its studios for failure
to pay rent, its studio and transmitter site
were deserted, power lines severed and the
power meter removed.

KY Georgetown WTKT 103.1 rp, "Cat 103 FM"
KY Greensburg WGRK-FM 103.1 k, "Kick
Country"

LA Baton Rouge WFMF sr, "dance-CHR"
LA Mansfield KJVC 92.7 rm, parallel to KDJI
AM, with "KDJI" calls heard throughout the
hour on FM to the exclusion of KJVC calls
LA Moreauville KLIL 92.1 r, \$
LA New Orleans WRNO-FM 99.5 rp, no nonID
LA Shreveport-Bossier City KITT 93.7 m, "soft
AC" ["Lite 105"

LA Slidell-New Orleans WLTS 105.3 k, rp
MD Baltimore WLIF 101.9 mr, soft AC, "Lite
102" (ends "Life")
MO Salisbury WSBY-FM 98.9 o, "Y-99," facilities
change to 6000 h,v (100 m), is \$Stereo?
MI Kalamazoo WOLR 106.5 mr, "no longer 'b.'"
MS Jackson WJMI 99.7 s, "Power 99"
MO Bonne Terre KDBB 104.3 to be r, "B-104";
\$?

MO Kirksville KRXL 94.5 rp, "The X, 94"
MO St. Louis KSQZ 93.7 op, "Classic Rock 93.7"
MT Wolf Point KTYZ-FM 92.7 rm, SMN
NH Belmont WCNN 93.3 m, with "very little
talk"—\$? ["Oldies 99.1" (strict)
NH Henniker WNNH 99.1 o, \$, [103]"
NY Newburgh WGNV-FM 103.1 rs, "Sunny/
NY New York WLTV 106.7 m, "lame"

PA Beaver Falls WWSK 106.7 r (top 40/oldies).
"Even though they tell you 'light rock, less
talk', their format is nowhere near light and
almost borders on album rock/top 40."

PA Blairsville WLCY 106.3 k, "Lucky 106.3"
PA Cresson WBXQ 94.3 op, classic rock
PA New Kensington WMPX 100.7 rm, "Mix
100.7 FM," this adult contemporary format
has been a surprise success.

PA Patton WBRX 94.7 n, all news, remove
\$ (tereo) listing.

PA Pittsburgh WSHH 99.7 mr, "light adult
contemporary. . . Its ratings were always
strong [with bt], but according to the station,
the format had gotten old. . . Still "Wish
100," and all personnel remains."

PA Renovo WMHU 93.1 to be k; Stereo?
RI Narragansett Pier WPJB 102.7 j, \$?
RI Providence WBBB 101.5 o, "B-101.5" and
"Oldies 101.5" (strict)

TN East Ridge WJRX 107.9 to be r, AC/CHR, \$?
TX Brenham KULF 94.1 r, \$, "Cool 94"
TX Center KLCR 102.3 k, \$
TX Corsicana KAND-FM 107.9 rm, AC format
TX Crockett KBHT 93.5 m, ID with Palestine

"pal-es-teen"—Huntsville; "Best Hits 93.5"
TX Dallas KRSM "93.3 (but still on 88.5, moving
to 93.3) p, mono, "The Rock" (not strict)
KMGC 102.9 m, dropping nightly jazz

TX Georgetown KQFX 96.7 o, "Oldies 96.7"
TX Henderson KGRI-FM 100.1, r, \$
TX Houston KLDE 94.5 o, no nonID
TX Lamesa KSCD 104.7 o, SMN Pure Oldies
TX Lorenzo KKCL 98.1 o, "Cool 98," ID with

Lubbock [m, tu, 67, no nonID
TX Luling-Austin KAPT 94.7/ [oldies"
TX Marshall KMHT-FM 103.9 sr, "SMN r&b/
TX Rockdale KRXT 98.5 k, \$
VA Bridgewater WRD-J FM 105.1, rm, "DJ-105"; \$?
VA Clinchco WDIC-FM 93.1 k, AM-FM simul-
cast, Stereo?

WI Evansville WMBJ 105.9 rm, still "J-106"
WI Madison WMBN 98.1 mr, "Magic 98"
WIBA-FM 101.5 or, some current hits
WI Milwaukee WZTR 95.7 o, "Star 95"
WKHL 96.5 op, "Classic Hits 96," and "it
doesn't have to be old to be a classic," with
some current music [nine years"
WYMX 99.1 rm, "successful 'Mix' format for
WI Sauk City WMBN WMLI 96.3 rm, "Lite 96"
WI Washburn WBWA 105.9 m, dropping nightly
classical and Broadway music
NS Halifax (Dartmouth) CFHQ 104.3 p
PD Trois Rivières CIGB 102.3 sr, "dance," \$

"I enjoy your publication immensely. Keep up
the good work!"

"I'm a new reader, and enjoy the discussion of
'lame' radio, etc. How do you find the time to
do it every month?"

"Owing to the content of the past few issues, I
have decided against renewing my subscrip-
tion to FMEdial For health reasons, I may or
may not buy the next edition of the FM
Atlas."

On Air (Selected)

AL Athens WZYP 104.3, but needing a spectrum
analyzer, as has been sending out spurs on
such frequencies as 104.1, 103.5, 103.9,
104.1, 104.5, 104.7, 104.9 and 105.3.

"These spurs disappear intermittently. WZYP
must not know this is happening after the
long of time frame (since late August '89)."

NY Valhalla WAFV 88.1 (having moved from
88.5), mono, now "a bit stronger"
TN Cookeville WGSQ 94.7 (having moved from
94.3), \$, "The Country Giant"

Off Air or Not Yet On

CA Atwater KVRK 92.5
CA Bakersfield KTIE 107.1
CA Corcoran KLCZ 102.3, "partly built"
CA Fresno KFDN "90.3, but "station built"
CA Goshen KYIA "90.1
CA Greenacres KAXI "88.3
CA Greenfield KQKZ 107.9
CA Kerman KTAJ 94.3, under construction
CA Mariposa KHRA 103.9
CA Orange Cove KMAK 100.3
CA San Joaquin KPVC 105.5
CA Visalia KGYU 96.1
CA Woodlake KQKX 104.1
CO Silverton KVFC 99.3
CT Stamford WEDW-FM "88.5
IL Cook City WKBM 100.7, but advertising for a
person to do sales and on-air work; (815)
476-5855.

LA Belle Chasse KNOK 102.9
LA Jennings KJEF-FM 92.9, still on 92.7
LA Lake Arthur KAHJ 107.3
MO Kirksville KTUF 93.7, still on 93.5
NV Carson City KWRW 94.7, silent pending sale
NC Belhaven WKJA 101.1, still on 92.1, "K-92
FM"

NC Tarboro WAZO 104.3 still off, "but 103.7
WHITE Williamson NC was on 104.3 once"
PA Philadelphia WXPX "88.5, still on 88.9
PA Pittsburgh area all WFRJ "88.9 Johnstown
translators off the air, and seeking new
frequencies

TX Bay City KMKX 102.5, still on 92.1
TX Beaumont KTXB "89.7
TX Cameron KCRM 103.9, also missing from
103.1; must be in process of moving to 103.9
UT Blanding KSMH 92.1
UT Monticello K285AN 104.9 has been off "for
some time."

Deletions (Selected)

- CA San Pedro KFOX-1 93.5. "No sign of this one. KNT F 93.5 Ontario is dominate all over San Pedro."
- CT Fairfield W220AB *91.9 and CT Shelton W296AL *107.1, both because of the strength of WFRS *88.9 Smithtown NY IN Washington W240AG 95.9 "does not exist. WZQJ Columbia City [is] not on the air. No translators active in Washington."
- MM Tracy KARL 105.1, "denied request to replace expired permit."
- NE Omaha *88.1 grant to Family Stations, Inc. rescinded, but Family Stations has filed a petition for reconsideration with the FCC NY Clarence W221AN *92.1 not on air, and missing from Family Radio's list of FM translators
- UT Aneth K220AX *91.9. Regarding this and other delays of KTDB *89.7 Ramah NM, "it appears to be a lack of funding which has prevented their construction."

FM Mistakes, FM Atlas-12

- GA Hinesville WXLQ 92.1, add \$, p. 106 NM Grants KLLT 103.7, not 95.3, p. 116, is 91 km [not "Warm 103.3," p. 173
- NY Rochester WRMM 101.3 is Warm 101.3, / NY Southampton WPBX *91.3 add to p. 12 map OR Newport 102.5 calls are KYQT, not KQYT, p. 120
- PA Schnecksville WXLV *90.3 add \$, p. 147 SC Marion calls are WPPD, not WKXS, p. 121 NF Norris Point CFBB *93.7 add *, p. 156 ON Ontario CBO-FM *103.3 74 km coverage missing, p. 129

Selected SCS Item

ASEA Brown Boveri, the people who have pioneered FM/SCA (and earlier AM SCA) for utilities load control, came through with the complete list of their current stations. All have the SCA on full time at 1200 baud, coded TX in the FM Atlas listings. The firm has moved from Minneapolis to Raleigh NC 27611. Before leaving Minneapolis, it tested on the 67 kHz of KTIS-FM *98.5. Besides the stations listed above (in FMedial), Brown Boveri is on the 67 kHz of WJBR-FM 99.5 Wilmington DE, KDMG 103.3 Pella-Des Moines IA, CING 107.5 Burlington ON, and believed to still be on KIIQ-FM 104.5 Reno NV. "Next year we will be coming to the MA-R1 area, with five or six stations to be added." (See also "AM Happenings," WCCO Minneapolis, FMedial Feb.)

See Also February VUD For:

- AZ Kingman KZZZ 94.7 K Triple Z nonID, Jefferson, p. 17
- FL Boni ta Springs WRXX 96.1 rp, Greene, p. 11 FL Live Oak WQHL-FM 98.1 QHL (from "Q-98"), Pugh, p. 16
- FL West Palm Beach WEAT-FM 104.3 no longer 104.5, Greene, p. 11. Correct FM Atlas-12, p. 106. [ID, Pugh, p. 16
- GA Brunswick WHJX 101.5 Hot 101.5 non-/ GA Cleveland 101.91 list calls as WGGA-FM, not WGGK, Pugh, p. 16
- NY Friendship WCID must be the local impeding DX for Coniglio on *89.1, right Greg? p. 13.
- NC Belhaven "WKRA 92.1" is probably WKJA, not yet having moved to 101.1, Pugh, p. 16
- RI Narragansett Pier WPJB 102.7 Bright 102.7

- nonID, Bugaj, p. 12. I'd still like to know if this station has stereo or not.
- SC Aiken WKXC-FM 99.5 "Kix-99," Pugh, p. 16. Note this station is out of sequence, FM Atlas-12, p. 169.
- VT Middlebury WCVF 100.9 "FM-101" (from "101-FM"), Bugaj, p. 12
- VT Rutland 94.5 station is WKLZ. Note Kiss 94.5 nonID, but I'd like to know its format and if it has Stereo or not, Sprachman, p. 3.
- WRUT 97.1 I show as still having those calls. Note "Z-97" nonID, Sprachman, p. 3
- VT Woodstock WMXR 93.9 rm, "Magic 94," but need to know if it has \$, Sprachman, p. 3
- PQ. Thetford Mines CFJO 103.3 is most likely the mystery Mike Bugaj shows, p. 12
- CUBA. See the list of stations p. 16, Pugh, for a country I no longer list. Somebody told me FM is not very popular there because there are no radios. "Those 1955 U. S. cars still on the streets do not have FM."

MODIFYING TUNERS, Bugaj, p. 24. I hope to have a report next month. I've modified a Sherwood car radio used on the bench which had very poor selectivity. With the Digi-Key filters in place (two of them) I was able to separate adjacent 88.9 (WQJB Hayward WI) from stronger 89.1 (WNCB Duluth) and 99.7 (WIMI Ironwood MI) from stronger 99.9 (WDCI Virginia NM). Even with the selectivity modification SCA at 92 (and 67) continued to come in well. I may have discovered a filter even more selective than Digi-Key's, and have ten of the "improved" ones on order. A hint on installing filter: use a braid solder remover, such as Solder Wick, to remove the old filters without damaging them. Then you can always reinstall the old filters if you decide the new ones aren't as good.

NonIDs, Not Just Slogans

- AZ Coolidge KQEZ 103.9 no nonID, no "Play 104" ["Quiet But Powerful"]
- AZ Glendale KGRX 100.3 The Wave (from/ AZ Green Valley KQYT 92.1 The Quiet FM
- AZ Marana KXMG 98.3 Sonido Magico
- AZ Phoenix KJZZ *91.5 K-Jazz
- AZ Tucson KIIIM-FM 99.5 Kim
- CA Los Angeles KKBT 92.3 The Beat
- FL Rock Harbor WKLG 102.1 K-Country 102.1
- ID Boise-Meridian KIYS 92.3 Power-92 (finding "92 Kiss FM" too unenjoyable)
- IL Lawrenceville WAKO-FM 103.1 Wake-O Radio [still r, \$, on 24 hours
- IN Bluffton WNCY 100.1 Y-100 (not strict), / IN Logansport WKMD 94.3 Real Rock 94.3 KMD
- IN Sullivan WNDI-FM 95.3 1-95, still mono
- IN Vincennes WFML 96.7 Hot Country 96.7
- LA Natchitoches KZBL 95.9 no nonID
- MD Ocean City WKHI 99.9 Power 99.9
- MA Worcester WAAF 107.3 Pirate Radio (ID with Boston?) [(from "Rock 104")
- MN St. Louis Park KJJO 104.1 104 FM
- MS Biloxi-Gulfport-Pascagoula WQID 93.7 93.7. QD (from "94 QID")
- MS Holly Springs WKRA-FM 92.7 K-93 (from "K-92"), still k, \$ [-Country"]
- MS Natchez WQNZ 95.1 no nonID (was "95/ NY New York WNSR 105.1 Mix 105 (not strict), from "NY's Soft Rock"
- OK Tulsa KTFX 103.3 K Fox 103 ("Super Fox" deprived of her Geritol) ["Stereo 100"]
- PA Lebanon WUFM 100.1 Bright 100 (from/ PA Pittsburgh WHTX 96.1 Gold-96 "no call, format or personal changes though"

- TN Savannah WORM-FM 101.7 The Worm (from "FM 102") [(from "107.1 The Star")
- TX Bastrop-Austin KGRS 107.1 Star 107/ TX Brownwood KQXK 101.5 no nonID
- TX College Station-Bryan KTSR 92.1 no nonID, saying call letters with "Star 92"
- TX Copperas Cove KOOV 103.1 K Double OV, Country 103 [try 103.3 (from "K-Gulf")
- TX Freeport-Lake Jackson KGLF 103.3 Coun-/ TX Huntsville KHUN 101.7 FM-102, still r (CHR) [uses calls"]
- TX Lufkin KUEZ 99.3 no nonID, "just/ TX Merkel-Abilene KFQX 102.7 Fox 102 (from "Fox 102.7")
- TX Robstown KMIO 105.1 Magic 105, bilingual
- TX San Antonio KQXT 101.9 KQ-102, still b
- TX Tyler KROZ 92.1 K-Rose (not strict), still k
- TX Victoria KVIC 95.1 no nonID, saying "95-KVIC, Victoria's Official Radio Station"

DXing Via Digital Audio Broadcasting To Displace Regular FM DX?

You've heard of DAT, digital audio tape, with its promise of flawless audio reproduction and recording ability for the consumer. Now comes DAB, digital audio broadcasting. DAB is to be given a closed-circuit demonstration at the NAB convention in Atlanta, March 31 to April 3. Dr. John Abel of the NAB heard a special demonstration of DAB in Geneva, Switzerland, and here's what he learned:

- DAB likely is a bigger technological development than FM.
- DAB will provide noticeably higher quality than FM stereo (about 22 kHz audio response compared to 15 kHz).
- DAB has no multipath interference.
- DAB requires incredibly low power to broadcast, at 100 mW, the highest power required would be about 100 watts.

• DAB is more "spectrum-efficient" than regular FM. Yet DAB would still need new spectrum because it is incompatible with current analog FM broadcasting.

• All stereo DAB stations in a market would use one parent tower and transmit at the same power.

Research on DAB in the U.S. has been very limited, and then on a different basis than European DAB. An ongoing experiment using WGBH (FM) and WGBX (TV) Boston has been extended by the FCC through mid-1990. Three companies have begun offering digital radio signals on cable. This high-quality, commercial-free music is expected to be on cable systems reaching 10 percent of U.S. homes within three years. The American consumer is almost always "attracted to (and will pay more for) audio systems of the most superior technical quality at any time," says the NAB. "The current threat to conventional broadcast radio stations comes from at least four main venues: CDs, DATs, cable audio, and direct broadcast satellite. Satellites—unlike digital cable audio—can offer digital audio services wherever the customer is located."

Plans for testing a DAB-type service are underway for this year in Canada, with the prospect that the new service could displace present AM and FM bands. One TV channel, for example, could multiplex 16 radio signals all at once—16 hundred-watts, all covering a major market. Where DAB might reside in the spectrum is for speculation; how about 42 to 50 mW for skip? 73ily, b.e.

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

For DXers in: Canada, ME, VT, NH, MA, CT, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR

MARCH 1990

DEADLINE: THE 1ST

A short column this month; only 3 pages of DX. Hopefully things will pick up soon. Remember, there can be a lot of tropo-scatter DX in the wintertime as semi-locals are sometimes weaker, allowing more distant scatter. **Note:** The deadline for May's column will **NOT** be April 1st, but will be **MARCH 24th**. That is a busy time of year for me. But by all means, continue reporting...I look forward to what DX (however little) everyone has been getting.....

FRED NORDQUIST- 7945 BOXFORD ROAD - CLAY, NEW YORK 13041 (ELT)

Equipment: Receiver, Carver TX11a, Antenna: Stacked Stereo Probe 9's at 35' AGL - CAC-11 75 ohm coax - tuneable band-pass filter.

SEPTEMBER 9, 1989 GW

0130 WBEF 89.9 NY Buffalo, g, Fmaily Radio

SEPTEMBER 18 AURORA 1913-2120

1954 WJFM 93.7 MI Grand Rapids

2012 WMBI 90.1 IL Chicago

2014 WGBH 89.7 MA Boston

SEPTEMBER 21 TROPO

2005 WTSC 91.1 NY Potsdam, r

OCTOBER 19 TR-SCATTER

(Power failure in Utica - 89.5/96.9/98.7/107.3 off at 1745)

1825 WAAF 107.3 MA Worcester, r

1829 CBCB 98.7 ON Owen Sound, talk

1851 KCOI 96.9 PQ Verdun, r

1945 WGBA 98.7 NY Corning, lite rock

2028 WMYG 96.9 PA Braddock, r, Magic 97

2033 WFPG 96.9 NJ Atlantic City, r

DECEMBER 14 ES to FLA 1830-1840 MUF 94.9

1831 WTNT 94.9 FL Tallahassee, TNT Country

DECEMBER 15 ES to FLA 1615-1720 MUF 107.5 +

1628 WWFR 91.7 FL Okeechobee, INS nx, g,

Family Radio 1129

1639 WQID 93.7 MS Biloxi, r, 93.7 QID 1127

1641 WGGG 97.7 FL Micanopy, ID lite rock 1000

1650 WXCX 95.3 FL Homosassa, local ads, wx 1054

1653 WXCX 92.5 FL Safety Harbor, local ads, r, U92

new call/format (yes, WYUU and oldies - gc) 1110

1700 WJQY 106.7 FL Ft. Lauderdale, r, ID 1197

1700 WQBA 107.5 FL Miami, SS, ID 1222

1709 WOLM 92.7 FL Punta Gorda, ID/wx

(still on 92.7 ???) 1168

1713 WAYJ 88.7 FL Fort Myers, g 1187

1717 WMMZ 93.7 FL Ocala, Z93.7 Rock 1019

DECEMBER 27 GW (WJPZ 89.1 off the air)

0937 WCID 89.1 NY Friendship, Family Life Network 120

1001 WCII 88.5 NY Spencer, same network, (both new 66

DECEMBER 29 TR-SCATTER

0015 WSLT 106.3 NJ Ocean City, ID 279

Totals now up to 1469. Thanks to a tip from Bill Nollman - I'm able to tune the TX-11a in 50 khz steps by flipping a US-European switch in back of the signal strength meter - a great help in tuning away from ACI splatter! The idea of IF filter receiver mode looks appealing to me, although I'd like to see the specs first. Bill Kretschmer and Bob Smolarek were here on Jan. 6 and we tested my TX11a against Bob's modified TX-11. The mod reduced adjacent channel splatter when tuning next to locals. I may try to modify my backup Heath AJ-15 Rx with sharper skirt IF filters since I have the schematics. 73-Fred.

BOB SMOLAREK - 156 OLDWICK ROAD - WHITEHOUSE STATION, NEW JERSEY 08889

NOVEMBER 22 GW/TROPO

1900 WRWD 107.3 NY Highland, k, new station

1945 WGMM 97.7 NY Big Flats, b, Elmira's Easy Listening

1948 WYRS 97.7 PA Jersey Shore, r, Twin mentioned

DECEMBER 13 METEOR SCATTER

2145 WOOF 99.7 AL Dothan, first MS for me ever!!

2158 WHTK 99.7 SC Port Royal, r

2215 WAPW 99.7 GA Atlanta, r, POWER 99

DECEMBER 15 E-SKIP

1655 WJIS 88.1 FL Bradenton, g, The Joy FM

1700 WXL 90.7 FL W. Palm Beach, public affairs pgm

1700 WKZY 92.1 FL LaBelle, k

1700 WNGS 92.1 FL W. Palm Beach

1705 WZTA 94.9 FL Miami Beach, r, Zeta 4

1710 WZZR 92.7 FL Stuart, r

1712 WGTR 97.3 FL Miami

1715 WCMQ 92.3 FL Hialeah, Spanish, over WXRK NYC

DECEMBER 15 TR-SCATTER

2000 WAER 88.3 NY Syracuse, WBGO off

JANUARY 2, 1990 GW

1935 WARY 88.5 NY Valhalla, r, Bill Nienajadly tipped

me

STATION NEWS: Two new stations are on the air around the New York metro area. One is in Highland, on 107.3: WRWD. They are country. On 96.9 Arlington, New York's WEXT is on the air now, don't know the format. WARY in Valhalla, New York has moved frequencies from 88.1 to 88.5 (see reports by Bob Smolarek and Bill Nienajadly for more info on this). WELV 99.3 in Ellenville has switched calls to WWWK, and format is now lite rock: "K-Lite". CBCO 91.5 Orillia, Ontario is on the air now as well. 107.9 in Charlotte has changed to "Sunny 108" and ad/con (thanks Matt Sittel for that note) and 92.3 Detroit has dropped new age and gone, you guessed it: Ad/con as WMXD, "Mix 92.3".



SAUL CHERNOS - P.O. BOX 611 - ORILLIA, ONTARIO CANADA L3V 6K5 (705) 327-7809

AUGUST 17, 1989 TR (TORONTO)

1750 WBSU 89.1 NY Brockport

AUGUST 18 E-SKIP (BRANTFORD)

1730 KPFT 90.1 TX Houston

1738 KSBJ 89.3 TX Humble, 89-FM

AUGUST 18 E-SKIP (LONDON)

1820 KNTU 88.1 TX Denton

AUGUST 28 TROPO (ORILLIA)

0030 WFBF 89.9 NY Buffalo, g

SEPTEMBER 8 TROPO (BURNT RIVER)

2046 WKLQ 94.5 MI Holland, rp, 94.5-KLQ

2059 WFBF 89.9 NY Buffalo, Family Radio g


SEPTEMBER 17 TROPO (ORILLIA)

1940 CBCQ 91.5 ON Hillsdale

(also heard 1940 Sep 22 at Burnt River)

SEPTEMBER 28 TROPO (BURNT RIVER)

2055 WUCX 90.1 MI Bay City

DECEMBER 15 E-SKIP (ORILLIA)

1607 WMMZ 93.7 FL Ocala Z-93

1611 WCTQ 92.1 FL Venice

1612 WCVU 94.5 FL Naples

1614 WQYK 99.5 FL St. Petersburg

1616 WDUV 103.3 FL Bradenton

1622 WYNF 94.9 FL Tampa, 95YNF

1630 WBVM 90.5 FL Tampa WBVM Family Radio

1635 WAYJ 88.7 FL Fort Myers

1638 WXCX 92.5 FL Safety Harbor, U-92

(calls now are WYUU-gc)

The December 15 Es opening was a pleasant surprise. I caught it on my car radio on my way home from work. I had to bring out my radio from the closet and set up an indoor antenna!! CBCQ 91.5 Hillsdale was only on for a short while. There has been no sign of it since about mid-October. (I have heard of DXers hearing it as recent as January. Has it come back on?-gc). I suspect it was a test and the CBC decided its plan to amalgamate 107.5 CBCM and 105.9 CBCO into 91.5 just wasn't a good idea. The signal in Orillia and other areas, including Burnt River, was poor for what should be a local signal. I haven't had time to investigate, though it would probably make a good story for the Orillia daily newspaper where I work.

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO NOM 1L0 CANADA

Equipment: Magnum Dynalab FT-101A with SCA, Magnum Dynalab 205 preamp, Stereo Probe 9 at 27 feet with Alliance HD-73 rotor and fed with RG-11

NOVEMBER 198923 Tr-Scatter

2318 (WPIG) 95.7 NY Olean, k\$, The Pig 95.7

CFPL splatter, ex WOLN. 187

25 M.S.

1322 unID 98.9 "...at the Club 6 I on Prince William

Street on Sunday..." maybe a member recognize the city?

25 Tr-Scatter

2340 WFPK 91.9 KY Louisville, c\$, strong 430

27 Tr-Scatter

2221 WBBY 103.9 OH Westerville, weak giving

hotline # for concert information 250

28 Tr-Scatter

1612 WWMJ 106.3 OH New Lexington, r, "M-106", your

music leader in Southeast Ohio 271

29 Tr-Scatter

2140 WKBZ 95.3 MI Whitehall, only caught an ID over

CKDS and WCFX 239

2141 WWMJ 95.3 MI Gaylord, ads, Magic 95.3 180

DECEMBER 19891 Tr-Scatter

1505 WNZE 94.3 IN Plymouth, k\$, 28 on WTCA & WNZE 288

1510 WJKL 94.3 IL Elkin, bm\$ 356

1511 WMBI 90.1 IL Chicago, g\$ briefly over WUCX 333

1521 (WMXD) 92.3 MI Detroit, r\$, The New 92 FM,

The Mix, ex WVAE 117

1521 WONU 89.7 IL Kankakee, g\$, Praise 89 363

1536 WUWM 89.7 WI Milwaukee, wx rpt, ID 322

2 Tr-Scatter

0021 WYEP 91.3 PA Pittsburgh, rp\$ 232

3 Aurora

1700 CKMF 94.3 PQ Montreal, disco, FF talk 408

1759 WJCH 91.9 IL Joliet, g, Family Radio, This and

CKMF are my most regular Au receptions 360

DECEMBER 19894 Tr-Scatter

2200 WVCX 91.9 PA California, p\$ seldom hrd 259

2233 WUCU 91.7 PA Clarion, ending Beatles

medley, then ID 197

5 Tropo/Tr-Scatter

1806 WSDP 88.1 MI Plymouth, briefly o/CBEE with

local news, only the 2nd time heard. 131

2106 WJHS 91.5 IN Columbia City, \$, basketball 263

2115 WYCA 92.3 IN Hammond, g\$ 330

2124 WLTO 97.3 WI Milwaukee, soft r\$, Lite 97 321

9 Tr-Scatter

1955 WAYZ 101.5 PA Waynesboro, poor u/WPIT

with mentions of a Christmas fund in Fulton

and Franklin Counties, ID 333

2155 WHWL 95.7 MI Marquette, g\$, weather for

north-central Upper Peninsula 349

10 Tr-Scatter

1454 WMBT 88.3 OH Marietta, c\$ 288

1605 WQUC 89.1 OH Cambridge, \$, listened

over an hour to bluegrass program before

getting an ID, also ID w/WOUL 89.1, WOUB 91.3

WOUC the more likely one on 89.1 as it was closer

antenna bearing was right. 298

11 M.S.

1003 (CBAF) 88.5 NB Moncton, ID in French for

CBAF Moncton and Edmundston, ex CBAF26 836

14 Tr-Scatter

2230 WFCB 94.3 OH Chillicothe, r\$, B-94-FM 293

2256 WILL 90.9 IL Urbana, c\$, weather report 418

2300 WBNI 89.1 IN Fort Wayne, weak ID w/WEMU 253

2308 WFIU 103.7 IN Bloomington, road report 399

14 M.S.

2329 KKBK 103.7 MN "...Bemidji on KJ-104..." 716

Jeff's Report continues on the next page....

JEFF FALCONER'S REPORT - continued

DECEMBER 15 E-SKIP

MUF at least 107.9!!
 1606 unID 91.5 disco mx, "The Spark", WMIE?
 1607 WWOL 91.9 FL Lakeland, g\$, Central FL wx 1085
 1609 WQQQ 98.3 FL Imokalee, \$, ad for West Coast
 Autobody in Naples 1170
 1610 WOKD 98.3 FL Arcadia, Charlotte Harbor ad
 1613 WAIL 99.5 FL Key West, r\$, WAIL SID 1340
 1619 WUSA 100.7 FL Tampa, classic r\$, W-101
 (sure this wasn't W-101 Brunswick, Ga. They
 are classic rock and W-101 Tampa is lite rock-gc) 1087
 1620 WJYO 107.7 FL Mt. Dora, old r\$ Joy 108 1014
 1622 WWRM 107.3 FL St. Petersburg, promo for lottery
 Warm 107-FM non ID 1088
 1625 WWOJ 106.3 FL Avon Park, \$, local ad 1125
 1629 WQAC 105.5 FL Sebring, \$, ads 1130
 1637 WHEW 101.9 FL Fort Myers, k\$ 1158
 1638 WAVV 101.1 FL Marco, bm\$, Wave 101 1185
 1640 WYGC 100.9 FL Gainesville, k\$, GC-101 965
 1643 WLYE 101.5 FL Miami, \$, local ad 1218
 1645 WHVE 102.5 FL Sarasota, soft r, j\$, The Wave 1107
 1646 WPIK 102.9 FL Summerland Key, perhaps this
 was the station with Spanish
 1647 WMXJ 102.7 FL Pompano Beach, heard WMXJ,
 Majic 102.7 in passing 1214
 1648 WRCC 103.7 FL Cape Coral, r\$, promo for Fort
 Myers Sun Socks, has moved here from 103.9 1159
 1652 WPFM 107.9 FL W. Palm Beach, ad for jewelry 1175
 1655 WJQY 106.7 FL Ft. Lauderdale, soft r\$, Joy 107 1216
 1657 WQBA 107.5 FL Miami, \$, Spanish programming 1218

DECEMBER 15 E-SKIP continued

1659 WEAT 104.3 FL W. Palm Beach, \$, ad, 1175
 1704 WKGB 98.7 FL Fort Pierce, \$, ad 1138
 1705 WAQI 98.3 FL Goulds, Spanish pop music\$ 1218
 1708 WOVV 95.5 FL Fort Pierce, old r\$, ID 1138
 1710 WTMJ 93.1 FL Miami, \$, traffic report 1218
 1714 WCMQ 92.3 FL Hialeah, ads in Spanish 1213
 1719 unID 91.5 unID with g\$ announcer with Caribbean
 accent
 1730 fade-outs
DECEMBER 16 Tr-Scatter
 0012 WHZB 103.7 IN Royal Center, \$, community clndr
 Hoisser 103 315
 0057 WBVE 96.5 OH Hamilton, k\$, Beaver 96 1/2
 very strong 329
DECEMBER 17 Tr-Scatter
 1348 WEEL 97.3 WV Wheeling, bm\$, ads, strong! 248
 1400 WYXL 97.3 NY Ithaca, weak u/CJEZ/WEEL, ID 263
 1421 WQRT 98.3 NY Salamancas, k\$, wx, Great 98 162
 1538 WRKY 103.5 OH Steubenville, r\$, The Valley's
 Heavy Music Station, Rocky 103.5 FM 228
 1540 WELA 104.3 OH E. Liverpool, k\$, Country 104.3 211
DECEMBER 21 Tr-Scatter
 2310 CFMO 93.9 ON Ottawa, bm\$ nice sig., no CKMR 306
DECEMBER 23 Tr-Scatter
 1438 WLTJ 92.9 PA Pittsburgh, soft r\$, lite 92.9 WLTJ 227
DECEMBER 28 Tr-Scatter
 1423 WESA 98.3 PA Charleroi, ads\$, Class-FM 250
 1551 WPCX 106.9 NY Auburn, ads for Geneva 250
DECEMBER 29 Tr-Scatter
 1438 WVAQ 101.9 WV Morgantown, k\$, ad for Victory
 Ford (sure they are k, they have been r for awhile-gc) 285

REPORT TO NORTHERN FM DX !!

BILL NIENAJADLY - 98 HIGHLAND AVENUE - CLIFTON, NEW JERSEY 07011

Equipment: Sony ST-J6 tuner modified with 180 khz filters, Antenna GFM-6 (Radio Shack 6 element) Alliance U-110 rotor, CAC-11 Coax.

Totals: 337, Es: 69, M.S- 5, USA: 29, CAN: 2, 32 TPU

JANUARY 7, 1990 GW Tr-Scatter

0410 WKSB 102.7 PA Williamsport, ID 158
 0415 WXYV 102.7 MD Baltimore, ID, V-103 174

JANUARY 9 TROPO

1800 WTYD 100.9, WIHS 104.9, WGBH 89.7, others

JANUARY 12 TROPO-SCATTER

2205 WMIX 99.3 PA Harrisburg, Mix 99.3 145

Raised antenna higher-much improvement!! WBUF has been heard a few times, I even called Greg and played it over the phone. Distant troposcatter on a daily basis includes WYFI 99.7, WFOG 92.9 310 miles, WCNY 91.3, WYYY 94.5 NY 200 mi plus, WEZF 92.9 VT 260 miles, WBUF 92.9 Buffalo 275 miles all heard at least once a day. I won't include these stations in my reports unless they come in steady tropo, which would be quite rare! Is anyone else having luck with the filter modification? I recently modified 2 portables, sad to say not much luck, but those DXers who modified their home tuners with at least 4 filters had much success! One last comment: I'm very sad to see that FCC FM News was cut back, please let more information in the VUD, not less!

GOODXing, Bill

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK, 14221

STEREO PROBE 9 now my FM antenna:

JANUARY 17, 1990 TR-SCATTER

1300 WRDR 104.9 NJ Egg Harbor City, big bands, ID
 very far for class A, probably 340 miles !!

JANUARY 18 TR-SCATTER

1610 WPRO 99.1 OH Fremont, lite rock ments, local ads

JANUARY 19 TR-SCATTER

1210 WAWZ 99.1 NJ Zarepath, g, thanks Bill Nienajadly!!

FEBRUARY 3 E-SKIP

1010 brief FM: 95.1 with Madonna tune, 91.7 country

FEBRUARY 4 TR-SCATTER

1940 WHKO 99.1 OH Dayton, k, 380 miles !!

FEBRUARY 8 TR-SCATTER

1305 WFER 99.3 PA Franklin, calls right?? Many
 mentions of "best mix" and local ads

1340 WQKY 99.3 PA Emporium, k, local mentions

As you can tell by my report likely, most of my recent DXing has been centered on 99.1, where CKO's tone has finally been shut down. Skip very brief on 2/3. See this column's header for a special deadline for May's column.

73, Greg

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner - Stereo Probe 9 Antenna 37 feet above ground

October 1989 (CDT)

3 MS
1753 KIL0 93.9 CO CO Springs-Pueblo 1040
6 tr
2355 WRED 95.7 OH Gibsonburg-Toledo, 135
(o/WGLR 95.7 OH Piqua) r\$
15 MS
0102 KMXR 93.9 TX Corpus Christi 1098
16 MS
2206 KOYN 93.9 TX Paris 719
2310 KOYN 93.9 TX Paris 719
20 MS
1104 KOYN 93.9 TX Paris 719
2357 KOYN 93.9 TX Paris 719
23 tr
0101 WUCY 90.1 MI Bay City-Saginaw- 248
(New to airwaves) Midland, J\$, //WCMU
(WFIY 90.1 IN Indy, off air Mon morn)
25 tr
2001 WMMC 105.9 IL Marshall, wx, r\$, 137
(New to airwaves) s/off
(o/WPFB 105.9 OH Middletown)
26 MS
0840 KIL0 93.9 CO CO Springs-Pueblo 1040
28 tr
0043 WHVT 90.5 OH Clyde, g\$, 370w 137
(ID o/24 hr. WKAR & WUOL)

31 MS
2143 KMXR 93.9 TX Corpus Christi 1098

November 1989 (EST)

3 MS
0124 WNNS 98.7 IL Springfield, 228
Previous tr
7 MS
0858 WTBX 93.9 MN Hibbing 625
1346 KOSI 101.1 CO Denver 1040
1355 KOSI 101.1 CO Denver 1040
9 MS
???? WNOE 101.1 LA New Orleans 754
22 MS
0510 KOYN 93.9 TX Paris 719
0510 KMXR 93.9 TX Corpus Christi 1098
24 MS
0730 WZZU 93.9 NC Burlington 431

December 1989

3 MS
0218 WLVE 93.9 FL Miami Beach 1040
6 MS
1008 WXGL 93.9 ME Lewiston, 822
Previous Es
8 MS
0012 WLVE 93.9 FL Miami Beach 1040
9 MS
0026 KDSR 101.1 ND Williston 1058
2141 KELI 98.7 TX San Angelo 1025
10 MS
0222 WLVE 93.9 FL Miami Beach 1040
13 MS
0500 KLUV 98.7 TX Dallas-Ft. Worth 814
0604 WKGR 98.7 FL Fort Pierce 926
???? KSES 98.7 ?? ? 777
???? WKGR 98.7 FL Fort Pierce 926
2321 WMZQ 98.7 DC Washington 454
14 MS
0743 WKGR 98.7 FL Fort Pierce 926
15 Es
1547 WLVE 93.9 FL Miami Beach 1040
1658 WZZR 92.7 FL Stuart, ads 944
15 MS
2341 WCTH 100.3 FL Plantation Key 1088
23 MS
0327 WKGR 98.7 FL Fort Pierce 926
29 MS
0122 WKGR 98.7 FL Fort Pierce 926
0718 WKGR 98.7 FL Fort Pierce 926
0741 WKGR 98.7 FL Fort Pierce 926
30 MS
0420 WKGR 98.7 FL Fort Pierce 926
31 MS
0102 WKGR 98.7 FL Fort Pierce 926
0244 WKGR 98.7 FL Fort Pierce 926

January 1990

1 MS
2222 WMZQ 98.7 DC Washington 454
4 MS
0231 WNOR 98.7 VA Norfolk 531
5 MS
0224 WFPG 96.9 NJ Atlantic City 584

Meteor Scatter Results:

10/ 3 KIL0 "...the kilo two for Tuesday..."
10/15 KMXR "...to fool the KGB. This is AP Network news. This is the new mix 93.9 KMXR Corpus Christi..."
10/16 KOYN "...KOYN - good evening..."
KOYN "...and KOY..."
10/20 KOYN "...on KOYN..."
KOYN "...435 Clarksville, Paris. Well, I gotta go, It's about three minutes away from 12 midnite..."
10/26 KIL0 "...studios, huh? Nah, it's 3-4 blocks. I see, for Denver Equipment. Now tell me what goes on at Denver Equipment..."
10/31 KMXR "...KMXR playing the best mix of..."
11/ 3 WNNS "...Lite Rock-99..."
11/ 7 WTBX "...and nothing to be afraid of. First Aid, Minnesota...WTBX...Grand Rapids-Duluth-Superior. Right now we hear from..."

11/ 7 KOSI "...Charlene...of Englewood. pretty soon. She's on her way to Hawaii from her friends here at KOSI..."
KOSI "...KOSI news update..."
11/ 9 WNOE "...and winds are SW at six. Here in French Quarter 50 degrees and.. station WNOE..."
11/22 KOYN "...KOYN..."
KMXR "...93.9 KMXR..."
11/24 WZZU "...U-93.9 - Love bites a big'n. It's 7:30 with Steve..."
12/ 3 WLVE "...and mail it to Love-94, Home for the Holidays, Miami, 33169. You might just be headed anywhere in the United States..."
12/ 6 WXGL "...Eagle-94 - WXGL..."
12/ 8 WLVE "...Love-94 with love jazz every night and all..."
12/ 9 KDSR "...KDSR - I'm Rob Allen gettin' set to take off..."

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

March 1990

DEADLINE: 10th

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Report today!

WILL THE AURORA MAKE A COMEBACK? KEEP TUNED.

Es and long trop pretty much inactive the last month. Conditions are getting so slow that there must be no where to go but up as the new DX season draws near. For now, it's prime time for aurora DXing in the South. As rare as aurora activity is in the South, try to catch it while conditions for its appearance are currently more favorable than usual. A pale red glow in the night time north sky will be the tip-off. Aim antennas north and good luck.

AN OLD PIONEER GETS REJUVENATED THROUGH A HIGHLY SELECTIVE TRANSPLANT.

The favorable results going on recently in modifying tuners and receivers for better selectivity intrigued me (your SFM editor) enough to try the same procedure on my old Pioneer TX-9100. The 9100 required 4 of those little magic narrow band IF filters. Once finished installing them, I tuned to an old problem frequency, 92.7. Before getting anything weak on 92.7 was always difficult to impossible due to adjacents from Oklahoma City and Tulsa. Now with the modification a very weak signal on 92.7 was clearly audible with very little splatter interfering. Time was early evening. Further monitoring revealed it to be a first time logging being KLOZ Eldon, MO. This 700 wattage was about 275 mi. away. The OKC and Tulsa stations on either side of KLOZ are about 50 miles away. And KLOZ was easily center tuned. On my Onkyo T9090 KLOZ was also in but with a bit more splatter. Both tuners really did fine on that sandwich test. In a different situation the Onkyo failed miserably. With the antenna aimed toward KMOD 97.5 Tulsa, the Pioneer could easily lock in an Edmond station on 97.7, located about 40 mi. southwest of me. (Tulsa is east.) And center tuned it did. On the Onkyo, Edmond was incomprehensible through the splatter. In another situation a Ponca City station on 99.3, comparable to Edmond, was tuned in while the antenna was once again pointed toward Tulsa. This time both tuners did about an equally great job. Since the Ponca City station was to the left of Tulsa while the Edmond station was on the right, I figured the Onkyo's selectivity is uneven. Further evaluation is needed on how the Pioneer does around the three strongest locals here. Reception conditions have generally not been favorable. And in my part of the country where urban areas are much further apart, unlike the crowded Northeast, ideal circumstances for heavy duty testing for selectivity are not always easy. Anyway, I think this technique for souping up selectivity is the best news for FM DXing to come along in quite some time. Take advantage of it in time for the new DX season.

In modifying the Pioneer, finding the four filters is very easy. They are on the circuit board located under the black cover where it is marked "IF Section". Gaining access to the soldered side of the circuit board isn't so easy. The back panel must be unscrewed and gotten out of the way. Fortunately, making it easier, the filters are located near the outer edge of the circuit board. If you need to lift the circuit board higher (it can't be moved much with so many wires coming out of it) to apply the soldering tip, cut the bare meshed wire. Be sure to let the service dept. of a stereo or TV shop handle it, if you're not handy with a soldering iron.

As reported before in SFM, a pioneer in modifying tuners for better adjacent channel selectivity was none other than an engineer for the famed McIntosh MR-78. He feels that 50 db, or better 100 db of adj. channel selectivity is needed under worst reception conditions. His prototype MR-78 exceeded 100 db. While evaluating the Onkyo T9090 for a report his reservation with the Onkyo's selectivity led to a brainstorm. He switched the super narrow filter on a MR-78 to the Onkyo. With some rearrangement required of a few components on the circuit board the Onkyo's selectivity improved to 80 db. Since I am not a tuner engineer, I will forego tinkering with my Onkyo for now. It has 3 IF filters labeled differently, so which one can be pulled? I wouldn't mind though, hearing about any successful tinkering with the Onkyo T9090. Thanks everyone for spreading the good word about those filters.

Richard J. Michaels, 641 W. 21st St., San Pedro, CA 90732

Equip: Realistic FM receiver STR 501, antenna: long wire

1/13

0300 88.7 KFAC CA Santa Barbara
0310 89.7 KSGN Riverside, "Keep Sharing
The good News"

1/13

0325 90.1 KLRD CA Lucaipa, "K-Lord"
0330 90.3 XHITZ BC Tijuana, "Z-90 FM"
0340 91.1 XETRA BC Tijuana, "91X"

cont.

1/13
 0400 92.9 KSCB CA Santa Barbara, o/KVCR?
 0420 92.5 XHRM BC Tijuana, "Power St."
 0430 92.7 KWDJ CA Riverside, "DJ-92"
 0440 93.3 KECR CA El Cajon, w/some inter.
 from KZLA on 93.9
 0500 94.1 KFSD CA San Diego
 0510 94.3 KMGX CA Saugur-Valencia, Magic 94
 0512 94.5 XHKY BC Tijuana, "Y-94"
 0515 94.9 KWLK CA San Diego, "K-Lite"
 0520 95.1 KBBY CA Ventura, "Flying high,
 KBBY"
 0525 95.7 XHTY BC Tijuana
 0530 95.9 KZTR CA Camarillo, "96 ZTR rock
 classics", over KEZY
 0535 96.5 KYXY CA San Diego, "Y-96"
 0543 96.7 KCAL Redlands, o/KWIZ
 0600 97.3 KSON CA San Diego, "San Diego's
 country"
 97.5 KDUO CA Riverside

1/13
 0615 98.1 CA KIFM CA San Diego, "Jazzy 98 FM"
 98.9 XHQF BC Tijuana
 0620 99.9 KTYD CA Santa Barbara, "Your home of
 rock 'n roll for 15 years--K-tied"
 0635 100.7 KHAY CA Ventura, "K-hay country FM101"
 KFMB CA San Diego, "B-100 FM"
 0700 99.7 XHBCN BC Tijuana, "Radio Amore"
 0715 101.5 KGB CA San Diego, "San Diego's
 home of rock 'n roll 101 KGB-FM"
 0720 101.7 KTOT CA Big Bear, "Mountain Radio"
 0730 102.1 KGMG CA Oceanside, "Magic 102"
 0740 102.9 KSDO CA San Diego
 0800 103.3 KRUI CA Santa Barbara
 0815 103.7 KJQY CA San Diego, "K-Joy"
 0830 104.5 XHLTN BC Tijuana, "Radio Latina"
 0900 104.7 KCAQ CA Oxnard, "Q-105"
 0910 105.3 KCBQ CA San Diego, "Eagle 105"
 0915 106.5 KKLQ CA San Diego, "Q-106"

#####

NORTHERN FM DX continued from page 15

FEBRUARY 1990

Ralph Strobel's report continues:

12/9 KELI "...for San Angelo..."
 12/10 WLVE "...on North 63rd St., North
 Miami Beach. The Love-94cast for today
 looks just excellent..."
 12/13 KLUV "...UV 98.7 Dallas-
 Fort Worth..." (SID)
 WKGR "...We'll be back at KG..."
 KSES "...KSES news..." (Where??)
 WKGR "...In Fort Pierce, call...
 1923, or in Stuart, call 287-7888 for
 complete details..."
 WMZQ "...back to the phones
 on WMZQ..."
 12/14 WKGR "...KGR. Remember that..."
 12/15 WCTH "...WCTH 100.3 FM..."
 12/23 WKGR "...Tonight from 9 until 11,
 so join Kevin at the Pirates Loft at 4307
 Southeast Bayview in Port Salerno. For

more info just call us at 98.7 KGR..."
 12/29 WKGR "...KGR..."
 WKGR "...Fort Pierce and Mel-
 bourne, near the ? in Florence, for
 great service and low rates..."
 WKGR "...Steam Motor Mall in Fort
 Pierce presents its biggest sale of a
 decade..."
 12/30 WKGR "...KGR..."
 12/31 WKGR "...Melbourne and the
 Palm Beaches..."
 WKGR "...music by Cheek of Fort
 Lauderdale and it's all for just
 \$198.00 plus tax..."
 1/1 WMZQ "...ZQ-98..."
 1/4 WNOR "...right now...from WNOR..."
 1/5 WTPG "...the oldest established
 men's shop in South Jersey..."

Can someone explain why certain stations are heard frequently be meteor scatter
 and others I need are never heard? On 98.7 I have never heard the following FM's
 by any kind of propagation.

KRTZ Cortez, CO
 WOZN Key West, FL
 KQWB Moorhead, MN
 WIIN Vicksburg, MS

WCBA Corning, NY
 WRKS New York, NY
 WNYZ Utica, NY

WRGM Jacksonville, NC
 WKYZ Beaufort, SC
 KELI San Angelo, TX
 CBBG Owen Sound, ON

On 93.9 the following stations have never been heard by any type of propagation:

WNIC New York, NY

WKXZ Norwich, NY

CFMO Ottawa, ON

I have gone through my logs to determine which years since 1980 have logged the
 most stations. Here are the results. As one can see, some years have been poor.

1980 - 144	1982 - 119	1984 - 14	1986 - 73	1988 - 94
1981 - 58	1983 - 81	1985 - 43	1987 - 145	1989 - 137

The meteor showers of October and December 1989, as well as early January 1990
 were lousy this year. There were quite a few bursts, but none long enough to do
 the good I was hoping for. Before I know it, the few open frequencies will be
 gone.

73 - Ralph

PHOTO NEWS

MARCH 1990

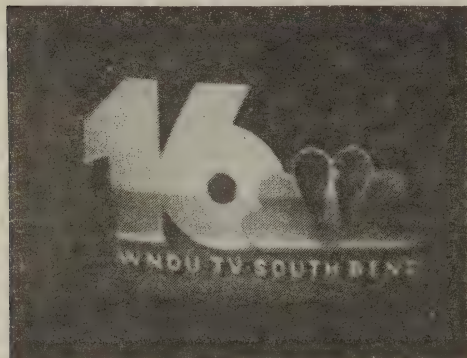
Mailing Address:

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14031-0155 U.S.A.

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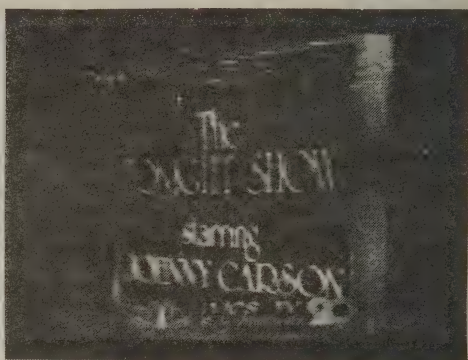
EDITED BY
David J. Nieman

Welcome to new reporter, Jerry Beaudin - Curtis, Michigan (70 miles west south-west of Sault Ste. Marie). The first six (6) fotos well show what a large body of water (Lake Michigan) can do to improve tropo reception. Jerry's equipment is: 20 year old Magnavox with a 10 year old Sylvania chassis & Quasar tuners, 7 foot Channel Master dish at 45 feet AGL with Winegard PA 4975 preamp & RG-6.



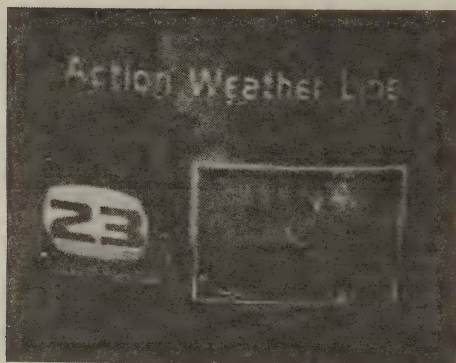
WNDU-16
South Bend, Indiana

319 mile tropo
seen August, 1989

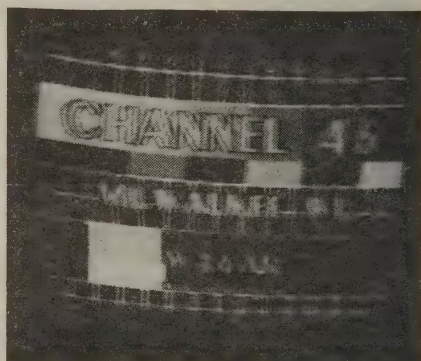


WICS-20
Springfield, Illinois

480 mile tropo
seen August, 1989



WIFR-23
Freeport/Rockford, IL
319 mile tropo
seen August, 1989



W46AR
Milwaukee, Wisconsin
240 mile tropo
seen August, 1989

PHOTO NEWS

MARCH 1990

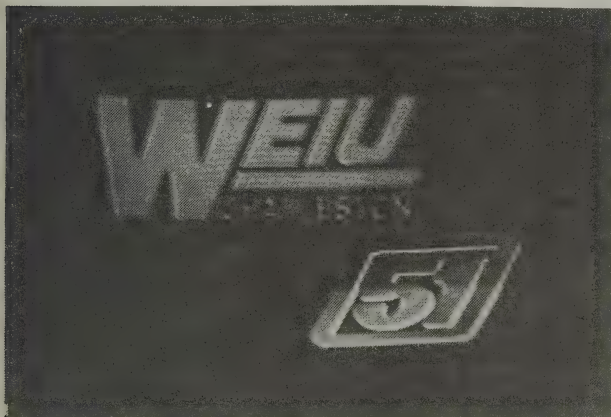
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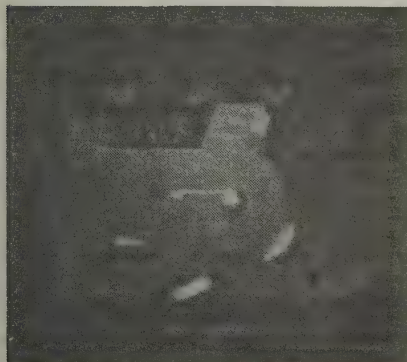
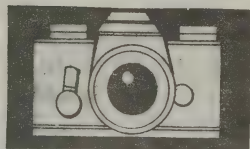
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EDITED BY
David J. Niemen

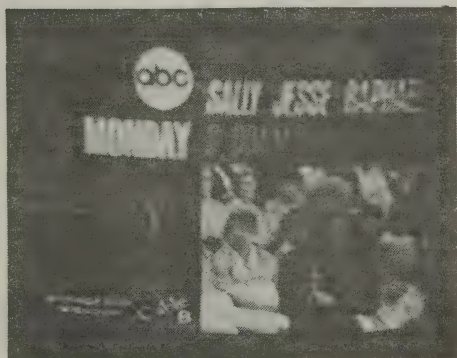
Jerry thanks hurricane Hugo for bringing in KSPR and other DX stations in late September.



WEIU-51
Charleston, IL
480 mile tropo
seen Aug. 1989
"data base shows this station
only 48.5kw - 234 HAAT"



WYIN-56
Gary, Indiana
320 mile tropo
seen August 1989



KSPR-33
Springfield, Missouri
722 mile tropo
seen September 18, 1989

...more from Jerry next month courtesy hurricane Hugo.

DAVE

QSL CORNER & LOGOS RUN

Thomas J. Yingling, Jr., KA3TCC
221 Pinewood Road
Baltimore, MD 21222-2345
Phone # 301-282-5649

First off, I really must apology for me missing a few months. I have been busy with trying to upgrade my amateur radio license to general (& still having a real time with the code.), my computer & disk drives (Commodore 128) was in shop with upgrade roms & rams and then not having the time to work on the column. I hope things should return to normal, and be regular again. I do have a few qsl items that did come in mail, and some from before. So here goes...Note: PFC stands for prepared card.

LA KXKZ 107.5 Ruston, P. O. Box 430, zip 71270. Letter from Dan Hollingsworth, Mgr in 4 months, after follow-up report. (Holbrook)

LA KLSA 90.7 Alexandria, X Louisiana State University & A & M College, 99 Lake Shore, Baton Rouge, LA zip 70803. Verie PFC received after follow-up report, signed by Keith Stokes, CE. (Holbrook)

MS WQST 92.5 Forest, P. O. Box 1539, zip 39074. Verie received after follow-up report send, signed by James H. Johnson, Sr. CE. Also send bumper-sticker. (Holbrook)

TX KPFT 90.1 Houston, 419 Lovett Blvd., zip 77006. Verie received from Mary Helen Mertzbacher, General Mgr. after follow-up report who says "Sometimes people in Houston have problems picking us up, so we were happy to hear from you." Letter says 100,000 watts at only 475 feet. (Holbrook)

VA WKSX 96.1 Cape Charles, P. O. Box 613, zip 23310. Verie back after follow-up report from unreadable name, on my PFC card. (Holbrook)

ONT CFPL 95.9 London, P. O. Box 2880, zip N6A 4H3. Letter from Barry Smith, Program Mgr. & send back PFC card signed

by Andrew Brizle, Technician. (From ? I lost the letter sorry.)

NY WBSU 88.9 Brockport, Seymour College Union, SUNY College at Brockport, zip 14420. Letter from Timothy J. Lyman, General Mgr. They changed to 89.1 in May 89'. (same person as above)

NY WBFO 88.7 Buffalo, Allen Hall, University of Buffalo, zip 14214. Letter from David Benders, PD send PFC card signed by M. Helen MacDonald. (same person as above)

MS WLBT 3 Jackson, Box 1712, zip 39215-1712. PFC card & letter in 3 weeks from Floyd Kinard, Dir. of Eng. My 28th state qsl'ed on tv. (Ross)

NC WGNL 102.7 Wilmington, 211 N. 2nd St, zip 28401. Send PFC in 3 weeks from Mike Farrow, Pgm. Dir. (Ross)

MI WADL 38 Mr. Clemens, Mt. Clemens, zip 48043 (no address given), send postcard signed by Bob Gross, CE, WB8DGK in 3 months. (Ross)

OH WOTL 90.3 Toledo, Box 68017, zip 43606. Send PFC in 2 weeks, from Wayne Stafford. (Ross)

NY WBEB 90.5 Rochester, X 41 O'Conner Rd., Fairport, NY zip 14450-1392. Send PFC & letter from Andrew Chant in 5 weeks. (Ross)

ME WHCF 88.5 Bangor, Box 5000, zip 04401. PFC in 2.5 months from Ronald M. Stover, CE for my 31st state qsl'ed on fm. (Ross)

FL WZTA 94.9 Miami, 4330 N.W. 207 Drive, zip 33055. PRC & station card in 14 months from Richard A. Vanhoek, Tech. Dir. (Ross)

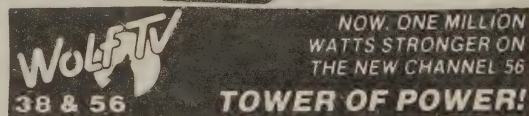
MT KRXX 94.1 Billings, 4140 Kirk Ave. East, zip 59101. PFC & letter from Charles H. Dozier, CE. back in 1 month. (Ross)

MI WKOI 95.5 Oak Park, 15401 West Ten Mile Rd., zip 48237. PFC & business card back from Berry B. Zack, CE in 2 weeks. (Ross)

NY WGR 96.9 Buffalo, 464 Franklin St, zip 14202-1399. PFC & note from Doug Wolf in 3 weeks. (Ross)

OH WHVT 90.5 Clyde, Box 273, zip 273. PFC from J. Waugh in 3 weeks. (Ross)

NOTE: please send in qsl items as I'm getting low in my supply for use in this column. Also send in the very latest newest tv id logos for beginning of the new dx season. 73's and many thanks.



NewsTeam 4

WICZ-TV

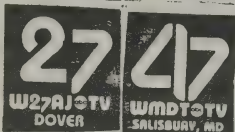
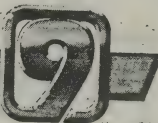
3 NEWS

WSTM-TV SYRACUSE

WBNG-TV 12

Central New York

WIXT-Syracuse



5
WNTW

WOLF-TV
38/56

34
WMOG-TV
GREENSBORO

3
WQCY-TV CLEVELAND

NEWS 5



WMDT-TV
CHANNEL 47
Salisbury

WOL
ninety
YOUR SUMMER VACATION STATION

45
WBFF-TV
BALTIMORE

WUTR-TV
20
UTICA - ROME

5
WPTV-TV

33
WTVZ

3
WTKR-TV

29
WTXF-TV
PHILADELPHIA



WOL
ninety

3
KYW-TV

12
WWBT

29
WVR-TV

28
WBRZ-TV

25
WOLO-TV
Columbia

29
WUTV



WWNY-TV

TV 22 *The Switch*
WYOU *is On!*

WATCH **JEOPARDY!** MON.-SAT.
ON WKTV 2

Wolf TV
38 & 56

TV 24 **WTAT**

TV 22
WYOU

WJKA-TV 26
A CBS AFFILIATE - WILMINGTON

4
WIVA-TV

35
WRLH

COUNTERFORCE
WKFT 40

12 Eyewitness News
WRDW-TV AUGUSTA

2
WGRZ-TV

WUHF

31



5
WNTW

29
WPTV-TV

WOLF-TV
38/56

WPAF-TV 43

10
WISTV

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65

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WPHL-TV
17

YOU & WBTV 3
The Best Belong Together

WCCB-TV 18
CHARLOTTE

WOL

14
KGSW-TV

WREX 13
TV

WMSN

4

wboc-tv **15**

NEWS 7
SETTING THE NEWS STANDARDS
Also on channels 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

WWNY-TV

4 KTVX

WBTV 13

KNME-TV
TV WORTH WATCHING

7

United with you
WWNY-TV

WQTV 68
HOUSTON

10
WISTV

KMYT 13
TWIN FALLS

13
KMYT

NewsCenter 7
Idaho's News Channel

WCTV 6
Thomasville • Tallahassee

WJFW 12
YOUR HOME TOWN STATION
WDBJ 7

CLASSIC
RADIO

THE ANDY GRIFFITH SHOW

WLTZ TV-38

Newscenter 13

WHO-TV Des Moines

17
WTVO

TV 22 The Switch is On!
WYOU

Wornings
K2
television

26
STEREO

NEWS 3

KIDK-TV IDAHO FALLS • POCATELLO • BLACKFOOT

14
WTMJ-TV
YOUR STEREO TV STATION

12
WXII

31
WTSO-TV
ALBANY

28 WPTF TV & R

NEWSLINE 9
WAOW-WAUSAU

2
WMAR-TV

68 WSYT
SYRACUSE STEREO

KXLI 41
SAINT CLOUD

Cable 7
KAS 38

23
WIFV-TV

24
WPTY

E
TV

wpgH 53

45

WNRW-TV

12
WDEF-TV
CHATTANOOGA

27 WTXL-TV
Tallahassee

WHNS-TV 21

61
WTIC-TV

WRAL-TV 5

WHA
TELEVISION

9
WTVZ
CHATTANOOGA

COUNTERFORCE
WKFT 40

- | | | |
|---------|----|-------------------|
| WUNF-TV | 33 | Asheville |
| WUNC-TV | 4 | Chapel Hill |
| WUND-TV | | Columbia |
| WUNG-TV | 58 | Concord/Charlotte |
| WUNK-TV | 25 | Greenville |
| WUNM-TV | 19 | Jacksonville |
| WUNE-TV | 17 | Linville |
| WUNP-TV | 36 | Roanoke Rapids |
| WUNJ-TV | 9 | Wilmington |
| WUNL-TV | 26 | Winston-Salem |

5
WFRY-TV



Submitted by Tom Bryant
249 Todd Preis Dr.
Nashville, TN 37221

THE HISTORY OF TELEVISION [Conclusion]

The Satellite Age Begins:

In 1962 the first major use of satellite repeaters came into play. TV programs were relayed between the U.S. and Europe via AT&T's Telstar I communications satellite. Two years later Syncom III relayed a telecast from Japan to North America. As more satellites were launched, more video services were added. Now, virtually all programming is relayed by satellite. Beginning in the early 1980s local stations had begun to utilize satellite links for local programming; particularly news actualities.

Technology Marches On:

Videotape machines, which had been introduced in the early 1960's were continually being refined. Two highlights in that area are the development of the video cartridge player and the hand-held camera. Both of those systems were ultimately fine-tuned and have become industry standards. Digital timebase code editing revolutionized the video production industry. Transmitting antennas were improved, and circular-polarization paved the way for better reception.

Audio Advances:

Stereo sound was a late arrival in an industry that generally had been more concerned with what was seen than what was heard. As was the case with color, there were competing systems for stereo tv audio. Zenith scored the victory and the FCC adopted the system in the early 1980s.

LPTV:

Low power television stations were first authorized in 1982. They have secondary status to full-power stations and are limited to 10 watts VHF and 1000 watts UHF. The commission predicts that as many as 8000 such facilities will eventually be in operation (including 4000 existing translators which may easily be upgraded to LPTV status).

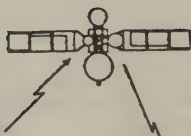
The Future:

Although it is difficult to project the future course of the industry, we do know that HDTV (high definition television) or some sort of spinoff of that technology such as IDTV (improved definition tv) will likely be introduced in the not too distant future. Broadcasters and developmental engineers are deeply involved in a search for a worldwide standard. Compatibility differences between existing systems and HDTV present the greatest hurdle to rapid adoption of any single system; and it may well evolve that several different systems will eventually be used, regardless of compatibility.

A Final Comment:

As DX-ers we can rest assured that our hobby is not in jeopardy...yet! DBS (direct [to home] broadcast satellite) as well as conventional satellite technology may eventually bring about the extinction of over-the-air tv transmission as we know it. Better get all the new ones you can...while they're still there!

SATELLITE NEWS



GEORGE W. JENSEN
4604 Anntana Avenue
Baltimore, MD 21206-4220

Another relatively slow month. T V Guide reported a while back several new cable services which (obviously) will be carried by satellite. These are: Sci-Fi Channel, Cowboy Television Network, HA (a comedy channel) and SNN - Sports News Network. At this time only SNN is operational and is located on Satcom 4 XPDR 2.

Interesting happenings on PanAmSat. Something called PSSI HP-TV Network which carried a Teleconference for Cardiologists was noted recently on XPDR 2. Also CNN has been noted in the clear on the Ku side. The mix is a little different in that CNN Telemundo in Spanish is also interspersed. ECO/Ga levision was also noted on XPDR 5 with a weakish signal and in PAL color format. This only lasted for about a day.

Morelos 2 ID. XPDR 8 ID's as ITESM Campus, Monterrey. It seems to be primarily an educational/instructional channel. I haven't noted any other activity on this bird. XPDR 7, 9 and 11 on Morelos I remain active, but are so weak that I can't ID them at this location. Can anyone out there help on these?

Prime Sports Northwest was noted on Telstar 303 XPDR 13V

The Azores is noted regularly on Westar 4 XPDR 20 in Portuguese and NTSC (our) color system. This is similar in intent to the TVE Internacional (Spain) type of world service noted last issue. It is beamed specifically for viewers in the Americas, Canada, The United States and Bermuda. Time for this seems to be 6 - 6:30 PM

A new array of VCII Plus encoded services will locate soon on Telstar 303. It ran a brief promotional test on XPDR 3 and ID'd as T V N.

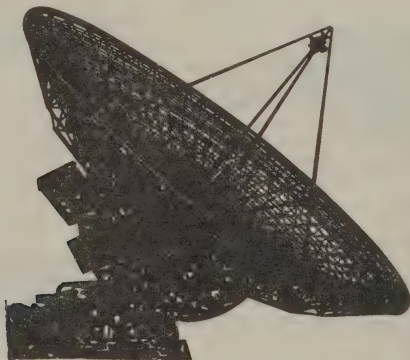
Florida Tourism Channel is operating in the AM's on Satcom 1 XPDR 22.

Nebraska Public Television is relaying its services on Spacenet 2 XPDR 2 with Nebraska Public Radio being subcarried.

CBS News Moscow has had feeds all over the place. The chief engineer has the hots for In The Mood which is played over and over again as a sound test signal.

That's all for now - see you in 30.

George



NWS

IN THIS ISSUE:

Matt recaps his DX of 1989, and takes you into the '90s with his latest DX! Also, Matt tries to figure out where the "obvious" missing NWS stations are!

Matt Sittel
PO Box 21441
509G South Hall, NCSU
Raleigh, NC 27607
(919) 737-5477
Deadline: 4/1/90
for 5/90 column

NWS News editor is:

MARCH 1990

MARCH 1990

Again, this will be another short column. Again, I have received no reports. Am I the only person who likes NWS DX anymore? Let's hear from someone else, OK? Anyhow, I'll do my best to entertain you with my own DX (which hasn't been that great) and other features. Hopefully you can help me out for the next column!

Matt Sittel, NWS News Editor

DECEMBER 1989

02 tr 1115	KEC95 .400	SC Myrtle Beach	123
10 tr 1519	KHB31 .550	NC Wilmington	116
	2130 KEC95 .400	SC Myrtle Beach	123
	2130 WXL59 .475	NC Rocky Mount	66
11 tr 0600	KEC95 .400	SC Myrtle Beach	123
	0723 KHB29 .550	SC Charleston	200
	1137 WXL42 .400	NC Winston-Salem	88
	1244 KHB31 .550	NC Wilmington	116
	1330 WXL59 .475	NC Rocky Mount	66
12 tr 0923	KEC95 .400	SC Myrtle Beach	123
	1428 KHB31 .550	NC Wilmington	116

JANUARY 1990

16 tr 2123	WXL42 .400	NC Winston-Salem	88
18 tr 0853	KHB31 .550	NC Wilmington	116
	0853 unID .400		
24 tr 0000	KEC95 .400	SC Myrtle Beach	123
	1824 WXL42 .400	NC Winston-Salem	88
	2218 KEC84 .400	NC New Bern	104
25 tr 1916	WXL42 .400	NC Winston-Salem	88
28 tr 0558	WXL42 .400	NC Winston-Salem	88
31 tr 0826	unID .400		

Both the unIDs were likely WXL42.

Not much DX to speak of during December and January. KHB29 is logging #15 on NWS. This could be attributed to the fact that the 2 1/2" ice storm that hit the area occurred on 12/8 and 12/9. Local WXL58 was on low power, so it was vulnerable to the slightest enhancement to be overridden easily. And fortunately, that happened!

Now, here's a recap of my NWS DX for 1989:

1. KHB31	162.550	NC	Wilmington	116
2. KEC95	162.400	SC	Myrtle Beach	123
3. WXL42	162.400	NC	Winston-Salem	88
4. KEC84	162.400	NC	New Bern	104
5. WXL59	162.475	NC	Rocky Mount	66
6. KEC85	162.400	GA	Savannah	298
	WXL56	162.400	NC Asheville	253
8. KIH26	162.400	FL	Daytona Beach	483
	WXJ20	162.400	SC Columbia	173
	WXM57	162.400	VA Heathsville	195
	WXX75	162.475	GA Waycross	382
	WXM65	162.525	GA Baxley	328
	KHB29	162.550	SC Charleston	200

of loggings for the calendar year 1989----139

over twice as far away as Raleigh/Durham. Then I logged Waycross on .475, which gave me new confidence that this station was not as domineering as I thought. Then I logged Charleston on .550, which although not as surprising as logging over .475, was still a welcome treat. So the aforementioned 3 are closer than my further away loggings on .475 and .550, so what gives?

February has already started out in a great way for NWS...including NWS #16! You'll have to wait until next time to find out who that is---and what frequency it's on!

OTHER NWS NOTES: Bill Nienajadji writes that he may be getting a scanner so he can DX NWS! I hope you'll write in if any DX materializes, or just to let us know what you can get up in Clifton, NJ. Either way I hope to hear from you!

Recently one of the voices on our local NWS, WXL58, Ben Woods, was upped to meteorologist on WPTF-28!! Now that's what I call a promotion! I find that kind of interesting that someone on NWS radio can move up to television. I don't know exactly how this occurred, but it is interesting nevertheless. Has anyone in your area ever done that?? I'm curious.

Does your local newspaper print in its weather section a small message concerning how to receive local or statewide NWS broadcasts? If so, send it in. I'd like to print some of them in a future column of NWS News. Such small announcements certainly help to publicize this fine service provided by NOAA. If you can send it in along with the title of the paper (preferably the title up top of the page next to page number and date. I'm sure it has a proper name, but I don't know what to call it. Perhaps someone can enlighten me on the correct term for it.

NEXT TIME: More of my DX, and I do hope something from you in the next NWS News!

73's Matt

WESTERN TV-DX

Fred McCormack
Box 9077
Prairiewood Station
Fargo, ND 58106-9077

March 1990

Deadline: 04-05-90
Cut-off: 01-01-90

I have become aware that some members active in F2 DX'ing are questioning some of the F2 observations recently reported in this column. It is their contention that some MUF's reported, as well as dates of openings, are inconsistent with their observations and the observations of radio amateurs as reported in QST magazine. Not being actively DX'ing F2, I do not have a good feeling for how high the MUF's were or how likely it is that particular paths may have performed exceptionally well. I think that may be a possibility. However, it is apparent that F2 reports in this column are being scrutinized, and anyone reporting here should be aware of that. If you are uncertain of your observations; say so. Be sure of your equipment and that you are receiving what you think you are and not something, perhaps, generated by the equipment itself. Good luck!

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - ● Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - //

Jeff Kadet, Box 20, Macomb IL 61455

CST

Equipment: See January 1990 Western TV-DX.

November 1989 F2

- 11/25 - 1551, KL7 Alaska in on 6 meters. 1605, channel 2z hockey game? In for about 5 minutes to northwest and suspect F2. 1617, KG6DX, Guam in on 6 meters.
- 11/26 - An amazing day. From 0729 to 0914 there were tons of E2 and R1 carriers coming in. Strongest R1's were 49749.0, 49758.6 and 49750.1. E2 carriers heard for the first time on 48245.0 and 48263.2. At 0841, I had video (aerobics show?) in on 48260.4, which is believed to be Steigen, NORWAY (tentative with photos already sent out to them) with strong CCI from 48245.0 and 48250.0 at same time. BIG DISAPPOINTMENT that this European opening died so soon. Seems like it had the potential to be a MONSTER. A reprieve came later in the day, however. A monumental 6 meter opening to JA, Japan, from 1635 to 1800. Had six R1 video buzz carriers to the northwest: 49744.2, 49748.7, 49755.5 (the strongest), 49758.7, and two stations on 49760.4. In all likelihood, one of these is the 7 kW station in VLADIVOSTOK. It's even probable that some may have been NORTH KOREAN or CHINESE. I should be getting an accurate frequency list with East Asian R1's shortly which will help pinpoint these. I never expected to get ASIA TV before SOUTH AMERICA!!
- 11/30 - 0835, HC8GR, Galapagos in on 6 meters as well as the HC2FG, Ecuador, beacon.

December 1989 F2

- 12/ 3 - Weird wobbly carrier on 48256.7 to Europe and south of the station on 48255.5 which I think is Melhus, Norway. Not sure if video carrier.
- 12/ 6 - Better than average European day, but nothing strong enough for video. I'm starting to speculate that the station on 48251.8 is the 250 kW station in Madrid, though it's not on my list. This is usually one of the last to fade-out in European openings.
- 12/ 7 - 12/11 - All decent Europe days, but nothing strong enough for video.
- 12/16 - 1016, very strong video buzz on 48258.8 which I believe is the 20 kW station in ZIMBABWE. This stations is a drifter; the most unstable video carrier EVER logged here. It varies by as much as 300 Hz, and I listed it in my last report as two stations (also on 48259.0). This guess is based on the fact that the TR8CA, Gabon, beacon faded in fifteen minutes after the video buzz peaked. A few days later I spoke to TR8CA, and he said he thinks it is definitely them. Direction is right. No video today, but I did have video from this station on November 1, 2, and 6. After November 24, their carrier vanished until it reappeared today; most unusual, as even on average days, there will be weak video carriers in from the common E2 stations. If I don't get a decent photo of them to send, I might try to get a veri based on the unstable carrier and the fact that they may have been off the air for awhile. 1510, N16E/KH6, Hawaii, in on 6 meters.

Better get this report in so I don't miss the November cut-off date, but will have to keep it brief. The only F2 video seen here since my last report was a socko opening to Central America on December 31st. It was almost certainly the 300 kW station in Costa

Jeff Kadet (continued) Rica, as the Costa Rican beacon on 6 meters was coming in extremely well. But so far, all this F2 video has been in vain as nothing has been positively ID'ed yet. I sent out photos to Sweden 48250.0, Norway 48260.4, Leningrad 49750.0 (WAS SHOCKED to see identifiable info on the R1 photo; it clearly shows the vertical interval signal and what appears to be a woman sitting next to a man), and Zimbabwe on 48258.8-48259.0, but have received zilcho replies. Considering the clarity of the photos, they must all think I'm just bonkers. Anyway, the only correction to my last report is that I am almost positive the video seen on 48258.8 and 48259.0 is from the same station, namely the 20 kW station in Zimbabwe, which is drifting. I wrote to the chief engineer to ask whether he was aware of this, but again, no reply. Have been in contact with quite a few very helpful European/Australian TV DX'ers, and I could probably type up a definitive list of almost all worldwide E2 and R1 stations, to be used from November 1 through November 26, 2000 (catch the sarcasm there?).

Anyway, I still am waiting to hear from a few more European DX'ers whom I've sent all my photos to, so there's still hope. 73.

Doug Smith, 3105 Oakridge Avenue, Madison, WI 53704

EST

Equipment:

Sears 19" stereo tabletop, circa 1985 w/ rabbit ears and bowtie at 3 feet.

Nothing earthshaking, but actually did manage a little DX on my wimpy antennas. Must have been a pretty good tropo this morning. Unfortunately, the multiplicity of ham antennas at this location (and the icy peaked roof!) preclude most real VHF FM/TV antennas, although I might be able to put a small UHF TV antenna in the computer room.

January 1990

20 tr 0944	WTMJ	4 WI	70	20 tr 0944	WOTV	8 MI	189	20 tr 0950	WTLJt	54 MI	
	(See Note # 1)			0950	WSBT	22 IN	183		(See Note # 2)		
	WITI	6 WI	70		WGVC	35 MI	168		WXMIT	17 MI	
	(See Note # 1)				WUHQ	41 MI	192		(See Note # 3)		
								1000	WCMU	14 MI	224

Note # 1 - Not really DX, but rarely seen here due to locals WISC-3 and WERN-88.7.

Note # 2 - Presumed. Causing severe CCI to local W54BH.

Note # 3 - Presumed. In/out with WTVO.

Jeff Kruszka, 5855 Walnut Creek Rd, Apt. A-105, River Ridge LA 70123

CST

Equipment:

Sylvania 12" black and white, quad loops cut for channels 2-6, Radio Shack U-75 corner yagi.

January 1990

9 tr 0627	WFTS	28 FL	499	11 tr 0624	KVHP	29 LA	181	23 tr 0637	@KLRU	18 TX	454
0651	WACXt	55 FL			WPGX	28 FL	283	0640	KXAnt	36 TX	
	("Superchannel")			23 tr 0608	WFSG	56 FL	256	0653	KLMG	51 TX	323
				0637	KVUE	24 TX	454				

Nathaniel Ely, 3810 Sycamore Avenue, Madison WI 53714

CST

Equipment: See January 1990 Western TV-DX

January 1990

18 Es 1025	KUTV	2 UT	1181	20 tr 0215	Cleveland	43,61	20 tr 0539	W48AP	48 OH	323	
	KTVX	4 UT	1182			410		(Toledo	LPTV)		
1028	KSL	5 UT	1182	0305	WJET	24 PA	479	0555	WUCX	35 MI	326
1033	KRMAt	6 CO			(See Note)			0611	WGKI	33 MI	215
1037	KCNC	4 CO	852	0358	CKCO4	11 ON	441	0613	@CBLN	40 ON	405
1046	KWGN	2 CO	852	0400	WOIO	19 OH	409	0615	@CBLN1	56 ON	441
1100	KREG	5 CO	1034	0430	WAKC	23 OH	423	0625	CBLFT	48, 53, 68	
1130	KNAZ	2 AZ	1308	0449	@WSEE	35 PA	479	25 gw	WJJA	49 WI	84
1144	KKTO	2 NM	1042	0450	CBLFT8	61 ON	442		(Home Shopping Club)		

Note - WJET-24 went live with Columbia shuttle landing at 0325. A DX treat!

I renewed my membership for another year. Thank heaven for WTFDA and the VUD! I've learned so much in the last eight years. A special thanks to Bill Draeb, an early member. 73, Nate

EASTERN TV-DX

MARCH 1990

NEW EDITOR:
Bill Nienajaaly
98 Highland Avenue
Clifton NJ 07011

MIKE REID - 1408-65 SPRING GARDEN AVE. - NORTH YORK ON M2N 6H9 CANADA

All loggings tropo Equipt.: 1977 Zenith 21" B&W, RS 15-623 2-bay UHF bowtie & AC-4990 preamp.

June 2 2355 WGETE-30 OH; June 3 0058 CBFTT-54 ON, 0100 W44AG-44 PA, 0103 CIII-22 ON, 0130 WUPW-36 OH, 0724 CBOT5-33 ON, 0728 WBNX-55 OH; June 5 0530 CIC092-55 ON, 0532 WEYI-25 MI, 0611 W44AG PA, 0630 K66BY MI, 0647 WGETE-30 OH; June 7 0952 WMGC-34 NY; June 8 0710 CIC024-24 (PQ); June 13 2315 WENY-36 NY; June 23 0100 Akron, Canton U's, 0412 Pittsburgh 22, 53, 2340 CIC093-42 ON; June 24 0350 CBLFT15-34 ON, 0415 CBCE-16 ON, 0417 WDLI-17 OH, 0845 WENY-36 NY; June 27 0200 WDLI-17 OH, 0203 W22AE-22 OH (Bucyrus, RFD) 0203 WAKC-23 OH, 0203 WTE-28 OH, 0213 W54AF-54 OH, 0235 WPTA-21 IN, 0236 WANE-15 IN, 0240 WCFC-38 IL, 0244 WKBD-50 MI, 0246 WFFT-55 IN, 0248 WSMH-66 MI, 0248 CBLFT17-68 ON, 0250 WXON-20 MI, 0636 WUPW-36 OH, 0640 CBLFT10-48 48 ON, 0640 WGPR-62 MI, 0647 WGETE-30 OH, 0650 WPTT-22 PA; June 28 0247 CIC09-93 42 ON, 0250 CBLFT15-34 ON; July 1 0445 WFFT-55 IN; July 6 0458 CIC024-24 (PQ), July 7 0715 CBLFT17-68 ON, 0725 WUPW-36 OH, 0726 CBLFT15-34 ON, 0728 WGETE-30 OH, 0735 WFMA-39 IN, 0811 WXON-20 MI, 0830 WGPR-62 MI, 0855 WGGN-52 OH, 0915 WAKC-23 OH, 0927 W67AL-67 OH; July 9 0730 WENY-36 NY, 0745 WYOU-22 PA, 0800 WETM-19 NY, 0807 WOLF-38 PA, 0815 W63AB-63 PA (Mansfield), 0832 W66AB 66 Meshoppen, 0844 WNEP-16 PA, 0855 W65AA-65 PA (Canton), 0912 WVIA-44 PA; July 12 0045 WPTT-22 PA, 0125 WPGH-53 PA; July 17 0750 CBCE-16 ON, 0840 W62AN-62 NY; July 18 0017 0750 CBCE-16 ON, 0840 W62AN 62 NY; July 18 0017 W64AK 64 OH, W67AL OH, 0658 CBLFT's 14,44 rptg.WVIZ, 0700 WXON-20 MI 0700 WGETE-30 OH, 0702 WUPW-36 OH, 0716 0720 WLIO-35 OH, 0720 W62AN 62 NY, 0743 WAKC-23 OH, 0746 WFMA-39 IN, 0752 CIC093-42 ON; July 23 0645 WSKG-46 NY, 0705 WMGC-34 NY; July 24 0530 WUTR-20 NY, 0540 WTUV-33 NY 0552 WICZ-40 NY, 0605 WPTT-22 PA, 0617 WSKG-46 NY, 0640 W59AU-59 NY (UTICA), 0720 WENY-36 NY, 0727 WMGC-34 NY; July 31 0822 CBLN2-34 ON, 0823 CBFTT-54 ON, 0825 WGPR-62 MI, 0825 K66BV-66 MI, 0835 WKBD-50 MI, 0844 WUPW-36 OH, 0845 WGETE-30 OH; August 1 0812 WFMA-39 IN, 2225 CIVC-30 PQ; August 2 0000 WSMH-66 MI, 0025 WAKR-23 MI, 0027 CBLN2-34 ON 0035 CBLFT-68 ON, 0052 WUPW-36 OH, 0055 unID-39, ch 39 w/ TVO ENGLISH slide, 0130 CBLN3-64 ON, 0145 W62AB-26 MI (Detroit), 0146 K66BV-66 MI, 0200 WEYI-25 MI, 0213 Det.20,62,50, 0230 WAQP-49 MI, 0233 CBLFT1-48 ON, 0236 WXYZ-7 MI only using cable company's balun as an antenna, 0245 WNDU-16 IN, 0245 WRGT-45 OH, 0300 WFFT-55 IN, 0402 WDLI-17 OH, 0525 C1-- 39 ON (Hawkesbury), 0527 C1-- 48 ON (Hawkesbury), 0555 WTE-28 OH 0557 WLIO-35 OH 0600 W67AL-67 OH, 0647 WOSU-34 OH; August 3 0732 WEHS-60 IL, 0735 WFFT-55 IN, 0735 WFMA-39 IN 0737 WCFC-38 IL 0740 WOSU-34 OH, 0740 WKJG-33 IN, 0745 WANE-15 IN, 0750 WRGT-45 OH, 0805 WSFJ-51 OH, 0810 WNDU-16 IN, 0815 WPTA-21 IN, 0835 WKAR-23 MI, 0837 WMCC-23 IN, 0840 WMMO-24 OH, 0855 WKEF-22 OH, 0855 WOU-44 OH, 0904 WINH-63 IN, 0912 WEYI-25 MI, 0915 WTJC-26 OH, 0922 WGVK-52 MI, 0935 WGV-35 MI, 0937 WKOI-43 IN, 1156 WGETE-30 OH; August 11 0950 WOAC-67 OH, 2215 W62AN-62 NY, 2325 WTUV-33 OH; August 14 0815 WENY-36 NY, 0830 W64AK-64 OH, 2335 CBLN2-34 ON; August 19 0800 WBJA-34 NY, WENY-36 NY

FRANK WHEELER - 6589 WATTSBURG ROAD - ERIE PA. 16509

July 1989	09 Es 1130 KATC-3 LA	18 Es 1530 KTBS-3 LA
23 Es 1330 KJRH-2 OK	10 Es 0001 KOET-3 OK	1600 KJAC-4 TX
August 1989	18 Es 0826 KPRC-2 TX	1630 WDIQ-2 AL
03 Es 1400 KTBS-3 LA	0830 KOTA-3 SD	1733 KBTX-3 TX
1401 KBTX-3 TX	0927 WBRZ-2 LA	
04 Es 2230 KOTA-3 SD	0930 WWL-4 LA	Equipt.: Sylvania 19"
09 Es 1123 WBRZ-2 LA	1000 WPTV-5 FL	1985 Color TV, Antenna
1127 KMTV-3 Neb	1155 WEDU-3 FL	Archer VU120, Servo Rotor

Present log totals 220 Veries. 324 Received.

ROY BARSTOW - P.O. BOX 488-T - TEATICKET MA 02536

July 2 Tr 0010 WNUV-54 MD, WBFF-45 MD, 0015 WMDT-47 MD, WYAH-27 VA, WHRO-15 VA, 0045 WHSW-24 MD, 0047 W--- -14 H.S.C. PA or DC?, 0130 WCTI-12 NC 577, 2230 WUNP-36 NC; July 4 Es 2000 Es up to channel 7, no ID's, Tr 2130 15, 33, 39. 43 PA; July 10 Es 1930 WSAV-3 GA; July 19 Tr 2230 EAST PA, MD, DC; July 24 Tr 2000 to 2400 EAST PA, MD, PLUS WYAH-27 VA, WHRO-15 VA, WTVZ-33 VA, WVEC-13 VA, WRLH-35 VA, WJCB-49 VA, WYED-17 NC, WUNH-19 NC; July 25 0000 W67BG DELAWARE- TBN, 0004 WJKA-26 NC, 0030 WLFL-22 NC, 0105 WPTF-28 NC, 0900 WUNJ-39 NC, WUNP-36 NC, 0910 WJPH-33 SC, 0920 WTAT-24 SC, 0925 WGESE-43 SC T, 2200 W60, 44, 41, 25 ONANCOCK VA., 2230 W52AB VA, 2250 WNC2-9 NC, WXEX-8 VA, 2300 WTKA-3 VA, WITN-7 NC, 2315 WUND-2 NC, 2325 W63AM-63 VA, July 26 Tr 0115 WJKA-26 NC, 28 GW W22AR-(WLNE-6 MA) FALL RIVER, MA; August 1989 "ZIP" Not too much to say this period. The month of August was a washout. Only East VA in once and Au hash last week of month. This means Sept. and Oct. will have loads of DX.

Editors NOTE: Have just got word that there will be a new EASTERN TV DX EDITOR, so will "stop the presses" right here. See FROM THE STAFF for details.

73, RON

UPDATES TO PREVIOUS REPORT:

Thanks to WTFDA member Ulrich Onken, I have two positive IDs from the 11/24 F₂ opening to Europe! Both are on channel E2: the Grunten, West Germany xmr of the Bayerischer Rundfunk network, and the Swiss Broadcasting Corporation (SBC) German language service xmr at Bantiger, Switzerland. To see video from Europe at all is exciting enough--to actually ID two stations (and two new countries) is TV-DX nirvana! Thanks, Ulrich! And thanks to Fred McCormick for helping to ID W69BS Statesville NC, the unID-69 TBN seen during a tropo opening to NC. TBN confirms this xltr as theirs, though my source shows the permittee as "James Poston." At 381 miles, it surpasses W20AL as my farthest xltr/LPTV. Thanks, Fred!

DECEMBER 1989

[1 F₂ 0850-0920] Weak video on E2 [5 Tr 2338-0140] West Palm Beach U's, Miami 7, 10, 23, 33, 39, 45, 69 (311-313). Ft. Myers 11, 36, xltrs W27AE, W49AI, W61AK [6 Tr 0140-0215] WMPV-21 AL (348), WPMI-15 AL (354), WKRG-5 AL (365), WJTC-44 AL (348) [0600] Columbus GA 3, 9, 38, 54; Miami U's [7 Tr 0017-0030] WSRE-23 FL (329), WJTC-44, WFSG-56 FL (251) (rare) [0600+] WPB U's, Miami U's, WFTX-36, WPLG-10, W27AE [12 Es 1350] unID-2 to SW w/U.S. mx videos [1725-1815] TelePrensa-2 El Salvador w/ad for cola (slogan "El Sabor de El Salvador")...and Telesistema Hondureno-3 Tegucigalpa, Honduras (1135) (country #10) U.S. rock videos, ads w/prices in lempiras, ID chs. 3 & 7, Xmas spot "Esta Navidad...Telesistema Hondureno"... also an unID-5 prob. also Honduras [Tr 2209-0000] SC U's 19, 25, 27, 38, 57; Atlanta 5, 11, 17, 36, 69; Columbus 9, 38; WCNC-36 & WCCB-18 NC (346); WVFT-27 Roanoke VA (483) local ads, ID, also in most of night w/ ID 3/4 cb...also WEEF-38 VA tent., but too much GA/SC on channel [0000-0310] WHNS-21 NC (341); Panama City 7, 28; WJKA-26 NC (334), WPDE-15 SC (322), WSPA-7 SC (337); WKFT-40 NC (392) carrying WRAL-5 pmg in wake of the latter's tower collapse early 12/10 A.M.; WRDW-12 (SC) after local off; WBTV-3 NC (350) movie, local ad, PSA, promo, all w/IDs; WTVD-11 NC (412) promo, ID, then repeat of 2300 ncast featuring news of ice storm and collapse of WRAL-5 and WPTF-28 towers; WNRW-45 NC (425) ID 3/4 cb [11 F₂ 0958-1018] unIDs-E2, one definitely had PM5544 ("Phillips") TP, but too much ghosting to read lettering--prob. either Sweden or Norway [Tr 1025-1130] WJKA-26 NC super; WUNJ-39 NC (334), WUNM-19 NC (416), Columbia 19, 25 [Es 1725-1750] unID-2 Imevinon, unID-3 3/4 cb [Tr 1930-2009] Wilmington U's, WGSE-43 SC [18 F₂ 0948+] strong E2 carriers on scanner (48, 255 dominant) but never really broke through on TV [22 GW 0100] local W59BC back on air with...home shopping! (Formerly a WCLF-22 xltr) [29 Es 1418] unID-2 SS

JANUARY 1990

[6 Es 0005] weak CCI on 2, 3...probably tail-end of an opening [Tr 0605] West Palm Beach, Ft. Myers U's [9 Tr 2050-2330] A tropo opening for my birthday! WMPV-21 AL (348) back on as TBN affiliate; other Mobile/Pensacola U's; WPAN-53 FL (315); WVLA-33 LA (569) solid for about half an hour; plus Columbia, Wilmington, Florence, Columbus, Panama City, WATL-36 GA, WXXV-25 MS (tent.) and a passle of FL LPTVs: W61BL, W35AJ, W49AI, W61AK, W19AX, W65BG. Also two nearby stations never seen before due to adjacent channel/schedule problems: WLHK-49 Bainbridge GA (159) and WRES-18 Cocoa FL (124) [10 Tr 0230-0315] set alarm to check conditions and was rewarded with: Miami and WPB U's; WSVN-7 (312), WPEC-12 (263), W27AE, W16AJ, and W50AW Vero Beach FL (206) (WFLX-29 xltr); this apparently replaces W53AL (never seen here) as sources show W50AW with the same coordinates and ERP as W53AL [11 Tr 0615] WPB, Miami U's; Atlanta 36, 69 (all still in at 1000 check) [12 Tr 0000+] WPB, Ft. Myers U's, W61AK, W49AI, W24AT Sarasota (209) [15 Tr 0625] Columbia 25, 35, 57, WCNC-36 NC [23 Tr 0620] WPB U's [30 Tr 0020-0100] Columbus, Columbia U's; Atlanta 2, 5, 11, 36, 46, 69; Birmingham 13, 21, 42 (370); WJSU-40 AL (334); WTJP-60 AL (368) w/TBN preacher; also WCNC-36, WSPA-7 (0710-0735) in a rush to get to work, but 25 very productive minutes: WTCI-45 and WDSI-61 Chattanooga TN (396) (nice tape of both of these); most SC and GA U's; WLOS-13 NC, WCFT-33 AL (392), WWSB-27 MS (494); CCI on 19, 25, 31 probably Huntsville but never broke through; WSS2-55 Cordele GA, a long-sought flea-power station seen with a very ambitious (and rather well-done) local newscast, with everything from national weather to local birthdays (!); and finally, W67BE Augusta GA (219) 3/4 cb and 0730 s/on, able to separate this from W67BJ Savannah though only a few degrees off their heading...I could never have done that with the 4-bay!

I've been very busy, particularly in January, and may have missed any wintertime Es openings. Didn't DX during the "Great North Florida Snowstorm" (an inch of snow on top of freezing rain, 19° at mid-day!) as I spent most of it manning the ham radio at a Red Cross shelter. Only a few good tropo days, but several newbies--my next new logging will be station #350. 400 stations is now within my grasp; 500 remotely possible. Seeing over 400 stations in Florida is every bit the equivalent of one of my northern colleagues seeing 1000+, especially when you consider that there is mostly or all water for well over 200 degrees of my antennas' rotation! 73 de N4SFS.

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EASTERN TV·DX

Bill Nienajadly
98 Highland Ave
Clifton NJ
07011

Deadline the 5th

March 1990

At this time we have only one report on hand as I take over Eastern TV DX. Much thank's goes out to Ron Stock who kindly caught up on some of the backlog and with next month's installment we should have been all caught up.....Now on to the DX.

Bob Smolarek 156 Oldwick Road Whitehouse Station NJ 08889

October 1989

23 Tr 0715 W59AA-59 CT	29 Tr 2140 W14BG-14-DE	30 Tr 2038 WEDW-49-CT
xltr of WVIT-30	xltr of WGB-49	2038 WSBE-36-RI
0720 WCVX-58-MA-240	2153 WTV-51-PA- 64	2129 WGGB-40-MA
29 Tr 2135 WRLH-35-VA-269	2200 WNUV-54-MD-142	2131 WWLP-22-MA
2145 WBFF-45-MD-135	30 Tr 2035 WNAC-64-RI-198	November 1989
2213 W35AB-35-PA-49	2036 WTIC-61-CT-123	3 Es 2315 KJRH-2-OK
2135 WDCA-20-DC-171	2037 WEDN-53-CT-147	

WCVX logged before WNJB sign on. (Ed. Bob sorry about the mileage cut off on the last column)

Well hi everyone. It's good to be at the helm of ETVDX, the'll be some minor change's and I'll list those below. The subject that is bought up is; What is the best way to report....Narrative or 2 or 3 column format? Well it's up to you...whatever you feel comfortable with, after all it is really your column I'm just the dude who put's it together for you. So your input or critical review is most important. Well here is the 1990's....and your editor is using a typewriter, no fancy word processor....but if anyone out there can recommend a NLQ typewriter at a decent price....let me know.

WNBC-TV4

Minor Change's

T-Trop
E-E-Skip
E2-Double hop

S/F-Snow Free
xltr-Translator
A-Aurora

To save space I'll
be using these on
the left.....

Now all I ask is.....Please under line your new logging's.

If possible TRY to include mileage's

Send in your reports promptly.

There maybe time's when I might have to delete logging's because of the fact it might be old and no longer news worthy. I'll try not to put a limit....on mileage'sBut if it's to commonWell you know

Goodxing Bill

*** Actual Pages ***
*** Taken from the book ***

Learn how to build
a crystal set
step-by-step

Includes illustrations!

Building Coils

There is no need to be concerned with the design of coils and most constructors never have a working coil. However, this book has good coil data. These are possible, however, and the book shows you how to make them. The book is a book of coils, but not a book of coils and the book is a book of coils.

There are three main coils in a coil. The first is the number of turns in the coil. The second is the diameter of the coil. The third is the diameter of the wire. The first is the number of turns in the coil. The second is the diameter of the coil. The third is the diameter of the wire.

The diameter and length of the coil are determined by the number of turns in the coil. The diameter of the coil is determined by the number of turns in the coil. The length of the coil is determined by the number of turns in the coil.

When you are using to make coils, be sure that you are using the same wire. The book is a book of coils, but not a book of coils and the book is a book of coils.

If you connect a coil to a coil, then it is a coil. The book is a book of coils, but not a book of coils and the book is a book of coils.

most of you will have to be satisfied to construct, like the 100 or 100. The book is a book of coils, but not a book of coils and the book is a book of coils.

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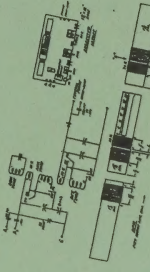
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The diagram is a schematic of a crystal set circuit. It shows a variable capacitor (VC) connected to a coil (L) and a variable inductor (VI). The circuit also includes a variable capacitor (VC) and a variable inductor (VI).

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